Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Acetaldehyde	CH_3-CHO	21	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ ○ 	○ - 	- 		+ ○ -	○ - 	- 	- 	○ -
Acetaldehyde			40%, aqueous solution	20 40 60 80 100 120 140	○ - 	- 	- 	+ + ○ 	+ + + ○ - 	- 		+ + + +	+ + ○ -	- 	+ + ○ -	+ + + +
Acetic acid (SpRB)	CH_3COOH	118	technically pure, glacial	20 40 60 80 100 120 140	○ - 	- 	- 	+ + ○ 	+ + ○ - 	+ ○ - 		○	-	-	○	○
Acetic acid (SpRB)	CH_3COOH		10%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + + 	+ + ○ 	+ + + 	+ + + + + 	+ + + + + + +		+ + ○	○ -	+ ○	+ + ○	○ -
Acetic acid (SpRB)		118	98%	20 40 60 80 100 120 140	- 	- 	- 	+ 	+ 	+ 		○	-			
Acetic acid (SpRB)	CH_3COOH		60%	20 40 60 80 100 120 140	+ 	- 	- 	+ 	+ 	+ 		+				
Acetic acid (SpRB)			50%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ 	- 	+ + + 	+ + + 	+ + + ○ ○ 		+	○	-	○	○

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Acetic acid anhydride (SpRB)	$(CH_3\text{-}CO)_2O$	139	technically pure	20	-	-	-	O	+	O	+	-		O	-	-	-	+
				40				O	+	O	+	-						
				60														
				80														
				100														
				120														
				140														
Acetic acid isobutyl ester	$(CH_2)_2\text{-}CH\text{-}(CH_2)_2\text{-}CO_2H$		technically pure	20						-								
				40														
				60														
				80														
				100														
				120														
				140														
Acetone	$CH_3\text{-}CO\text{-}CH_3$	56	technically pure	20	-	-	-	+	+	-		+	-	-	-	O
				40				+	+			+				O
				60				+	+			+				O
				80												
				100												
				120												
				140												
Acetone			up to 10%, aqueous	20	-	-	O	+	+	O		+	O	-	+	O
				40				+	+	O		+	O		O	O
				60				+	+	O		+	-		-	O
				80												
				100												
				120												
				140												
Acetonitrile	CH_3CN	81.6	100%	20	-	-	-			-						
				40												
				60												
				80												
				100												
				120												
				140												
Acetophenone	$CH_3\text{-}CO\text{-}C_6H_5$		100 %	20	-	-	-			-		+	-	-	-	
				40												
				60												
				80												
				100												
				120												
				140												
Acrylic acid methyl ester	$CH_2\text{=}CHCOOCH_3$	80.3	technically pure	20	-	-	-			+		O				
				40												
				60												
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Acrylic ester	CH_2=CH-COO CH_2CH_3	100	technically pure	20 40 60 80 100 120 140	- 	- 	- 	 	- 	- 		○ 	- 	- 	○ 	+
Acrylonitrile	CH_2=CH-CN	77	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	+ ○ 	- 		+ + ○ 	○ ○ - 	- 	+ + + 	○ ○ -
Adipic acid	HOOC-$(CH_2)_4$-COOH	Fp.*, 153	saturated, aqueous	20 40 60 80 100 120 140	+ + - 	+ + + + 	- 	+ + + 	+ + + + 	+ 		+ + + 	+ + + 	+ + + 	+ + + 	+ + +
Alcoholic spirits (Gin, Whisky,etc.)			approx. 40% ethyl alcohol	20 40 60 80 100 120 140	+ 	○ 	- 	+ 	+ 	+ 		+ 	+ 	+ 	+ 	+
Allyl alcohol	H_2C=CH-CH_2-OH	97	96%	20 40 60 80 100 120 140	○ - 	○ 	- 	+ + + 	+ + + 	 		○ ○ ○ - 	○ - 	+ + + + 	○ - 	+ + + -
Alum	see Potassium aluminium sulphate															
Aluminium chloride	$AlCl_3$		10%, aqueous	20 40 60 80 100 120 140	+ + + 	+ + + + 	+ + + 	+ + + 	+ + + 	+ + + + + + 		+ + + + 	+ + + + 	+ + ○ 	+ + + 	+ + + +
Aluminium chloride	$AlCl_3$	115	saturated	20 40 60 80 100 120 140	+ + + 	+ + + + 	+ + + 	+ + + 	+ + + + ○ 	+ + + + + + 		+ + + 	+ + + + + 	+ + + ○ - 	+ + + 	+ + + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Aluminium fluoride	AlF_3		saturated	20		+				+						
				40		+				+						
				60		+				+						
				80						+						
				100												
				120												
				140												
Aluminium hydroxide	$Al(OH)_3$		S	20		+						+				
				40		+						+				
				60		+						+				
				80		+										
				100												
				120												
				140												
Aluminium nitrate	$Al(NO_3)_3$		saturated	20		+				+		+				
				40		+				+		+				
				60		+				+		+				
				80		+										
				100												
				120												
				140												
Aluminium sulphate	$Al_2(SO_4)_3$		10%, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+	+	+	+	+		+	+	+	+	+
				80		+			+	+			+			○
				100					+	+						
				120						+						
				140												
Aluminium sulphate			cold saturated, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	+	+	+	+	+	+		+	+	+	+	○
				80		+			+	+			+			○
				100						+						
				120						+						
				140												
Ammonia (SpRB, G)	NH_3	-33	gaseous, technically pure	20	+	-	-	+	+	+		+	+	+	+	+
				40	+			+	+	+			○			
				60	+			+	+	○						
				80						○						
				100						○						
				120												
				140												
Ammonium acetate	CH_3COONH_4		aqueous, all	20	+	+	○	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	○	+	+
				60	○	+		+	+	+		+	+		○	
				80		+			+	+		○				
				100					+	+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ammonium aluminium sulfate				20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Ammonium bromide				20						+						
				40						+						
				60						+						
				80												
				100												
				120												
				140												
Ammonium carbonate	$(NH_4)_2CO_3$		50%, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	O	+	+	+	+	+		+	+	+	+	+
				80		+			+	+		+	+			+
				100					+	+						
				120						+						
				140												
Ammonium chloride	NH_4Cl	115	aqueous, cold saturated	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	O	+	+	+	+	+		+	+	+	+	+
				80		+			+	+		+	+		+	+
				100					+	+		+	+			+
				120						+			+			
				140												
Ammonium citrate				20	+					+						
				40	+					+						
				60	+					+						
				80						+						
				100						+						
				120												
				140												
Ammonium dicromate	$(NH_4)_2\ Cr_2\ O_7$		saturated	20		+										
				40		+										
				60		+										
				80		+										
				100												
				120												
				140												
Ammonium dihydrogenphosphate				20	+			+	+							
				40	+			+	+							
				60	+			+	+							
				80					+							
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ammonium fluoride	NH_4F			20	+	+		+	+	+						
				40	+			+	+	+						
				60	+			+	+	+						
				80					+	+						
				100						+						
				120												
				140												
Ammonium formiate				20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Ammonium hexafluorosuilicate				20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Ammonium hydrogen fluoride	NH_4HF_2		50%, aqueous	20	+	+	-	+	+	+		+	+			
				40	+	+		+	+	+						
				60	O	+		+	+	+						
				80												
				100												
				120												
				140												
Ammonium hydrogencarbonate				20	+			+	+							
				40	+			+	+							
				60	+			+	+							
				80					+							
				100												
				120												
				140												
Ammonium hydrogenphosphate				20	+			+	+							
				40	+			+	+							
				60	+			+	+							
				80					+							
				100												
				120												
				140												
Ammonium hydrogensulfite	$(NH_4)H_5$			20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ammonium hydroxide	NH_4OH		aqueous, cold	20	+	-	+		+	-		+	-	+	+	+
			saturated	40	+		+		+			+		O	+	+
				60	O		O		+			O		O	+	O
				80											O	-
				100												
				120												
				140												
Ammonium nitrate	NH_4NO_3	112	aqueous,	20	+	+	+	+	+	+		+	+	+	+	+
			saturated	40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	O	+	+		+	+	O		O
				80		+			O	+			+			
				100						+						
				120						+						
				140												
Ammonium oxalate	$H_4NOOC\text{-}COONH_4$			20						+		+				
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Ammonium persulphate	$(NH_4)_2S_2O_8$			20		+				+						
				40		+				+						
				60		+				+						
				80		+				+						
				100						+						
				120												
				140												
Ammonium phosphate	$(NH_4)_3PO_4$		saturated	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+			+	O	+	O
				80					+	+			+			
				100						+			+			
				120												
				140												
Ammonium sulphate	$(NH_4)_2SO_4$		aqueous,	20	+	+	+	+	+	+		+	+	+	+	+
			saturated	40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		+	+	O	+	O
				80		+			+	+		+	+			
				100					+	+			+			
				120						+						
				140												
Ammonium sulphide	$(NH_4)_2S$		aqueous, all	20	+	O	+	+	+	+		+	+	+	+	+
				40	+	O	+	+	+	+		+	O	+	+	+
				60	O	O	+	+	+	+		+	-	+	+	+
				80		-			+							
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ammonium tetrafluoroborate	$(NH_4)BF_4$			20 40 60 80 100 120 140						+ + + + +						
Ammonium thiocyanate	NH_4SCN		saturated	20 40 60 80 100 120 140		+ + + +				+ + +						
Amyl acetate	$CH_3(CH_2)_4$-$COOCH_3$	141	technically pure	20 40 60 80 100 120 140	-	-	-	+ + +	○ ○ -	+ ○ ○		○	-	-	-	-
Amyl alcohol (SpRB)	$CH_3(CH_2)_3$-CH_2-OH	137	technically pure	20 40 60 80 100 120 140	+ + ○	+ + +	-	+ + +	+ + + +	+ + + + + ○		+ + +	○	+ + +	+ + +	○
Aniline	$C_6H_5NH_2$	182	technically pure	20 40 60 80 100 120 140	-	-	-	○	○	+ ○ -		-	○ ○ ○	-	-	-
Aniline hydrochloride	C_6H_7N+HCl	245	aqueous, saturated	20 40 60 80 100 120 140	+ ○	+ +	-	+ + ○	+ + ○	+		+ + +	○ -	○ -	-	+ + + ○
Antimony thiocyanate	S_6SCN			20 40 60 80 100 120 140						+ + + + +						

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Antimony trichloride (SpRB)	$SbCl_3$		90%, aqueous	20 40 60 80 100 120 140	+ +	+	-	+ + +	+ + +	+ + +		+	+	-	+	+
Aqua regia (SpRB)	HNO_3+HCl			20 40 60 80 100 120 140	+ ○	+	-	-	-	○		-	○	-	-	○
Arsenic acid	H_3AsO_4		80%, aqueous	20 40 60 80 100 120 140	+ + ○	+ + + +	+ + +	+ + +	+ + + +	+ + + + + +		+ + + +	+ + + + +	+ + + ○	+ + + +	+ + + +
Barium carbonate	$BaCO_3$		S	20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + +		+ + +	+ +	+ +	+	+
Barium chloride	$BaCl_2$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + + + +		+ + +	+ + + +	+ +	+	+
Barium hydroxide	$Ba(OH)_2$	102	aqueous, saturated	20 40 60 80 100 120 140	+ + ○	+ + + +	+ + +	+ + +	+ + + +	- 		+ + + +	+	+ + +	+ + +	+ ○
Barium salts			aqueous, all	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + + +	+ + + + +		+ + + +	+ + +	+ + +	+ + +	+ + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Barium sulfate	$BaSO_4$		S	20 40 60 80 100 120 140	+ + +			+ + +	+ + + +	+ + + + +		+ + +				
Barium sulfide	BaS		suspension	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ + +				
Battery acid see Sulphuric acid 40%				20 40 60 80 100 120 140												
Beef tallow emulsion, sulphonated (SpRB)			usual commercial	20 40 60 80 100 120 140	+	○	+	+	+	+ + +		-	+	+	+	+
Beer			usual commercial	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + +	+ + + +			+	+	+	+
Benzaldehyde	C_6H_5-CHO	180	saturated, aqueous	20 40 60 80 100 120 140	-	-	-	+ + +	+	+ ○ -		+ + +	+ + +	○	-	-
Benzene	C_6H_6	80	technically pure	20 40 60 80 100 120 140	-	-	-	○ ○	○ -	+ ○ -		-	+	○	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Benzenesulfonic acid	$C_6H_5SO_3H$		technically pure	20 40 60 80 100 120 140						+ + + + +			+ +			
Benzin (Gasoline) (SpRB)	C_5H_{12} to $C_{12}H_{26}$	80-130	free of lead and aromatic compounds	20 40 60 80 100 120 140	+ + +	+ + +	-	+ + ○	○ -	+ + + + + +		-	+ + +	+ + +	-	○ -
Benzoic acid	C_6H_5-COOH	Fp.*, 122	aqueous, all	20 40 60 80 100 120 140	+ + ○	+ + + ○	+ +	+ + +	+ + + + +	+ + + + + +		+ +	+ + + + ○	-	-	-
Benzoyl chloride	$C_6H_5CHCl_2$		technically pure	20 40 60 80 100 120 140						+ + + ○ -						
Benzyl alcohol (SpRB)	C_6H_5-CH_2-OH	206	technically pure	20 40 60 80 100 120 140	○	-	-	+ + ○	+ + ○	+ + ○ -		-	+	-	+ + +	○
Beryllium chloride	$BeCl_2$			20 40 60 80 100 120 140						+ + +						
Beryllium sulfate	$BeSO_4$			20 40 60 80 100 120 140						+ + + + +			+ + +			

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Beryllium sulfate				20						+						
				40						+						
				60						+						
				80												
				100												
				120												
				140												
Borax	$Na_2B_4O_7$		aqueous, all	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+		+	+	+		+	+	+	+	○
				80		+			+	+		+	+			
				100					+	+						
				120												
				140												
Boric acid	H_3BO_3		all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	+	+	+		+	+	+	+	+
				80		+			+	+		+	+			
				100					+	+			+			
				120						+						
				140												
Brine, containing chlorine	NaCl Cl_2			20	+	+	-	+	○	+		○	+	○	○	○
				40	+	+				+						
				60	+	+				○						
				80												
				100												
				120												
				140												
Bromine, liquid (G)	Br_2	59	technically pure	20	-	-	-	-	-	+		-	+	-	-	-
				40						+						
				60						+						
				80						+						
				100						○						
				120												
				140												
Bromine, vapours	Br_2		high	20	-	-	-	-	-	+		-	+	-	-	-
				40						+						
				60						+						
				80						+						
				100						○						
				120												
				140												
Bromine water (G)	$Br.H_2O$		saturated, aqueous	20	+	o	-	-	-	+		-	+	-	-	-
				40						+						
				60						+						
				80						+						
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Bromobenzene	C_6H_5Br			20 40 60 80 100 120 140	- 	- 	 	 	 	+ 		 	+ 	 	 	
Butadiene (Q/E, G)	$H_2C=CH-CH=CH_2$	-4	technically pure	20 40 60 80 100 120 140	+ 	+ 	- 	+ 	+ + + 	+ + + + + 		- 	○ 	- 	+ + ○ 	+ ○ -
Butane (G)	C_4H_{10}	0	technically pure	20 40 60 80 100 120 140	+ 	+ 	+ 	+ 	+ 	+ 		- 	+ 	+ 	+ 	+
Butanediol (SpRB)	$HO-(CH_2)_4-OH$	230	aqueous, 10%	20 40 60 80 100 120 140	+ ○ 	+ + 	- 	+ + + 	+ + + 	 		+ + + 	+ + + 	+ + + 	○ - 	+ + +
Butanol (SpRB)	C_4H_9OH	117	technically pure	20 40 60 80 100 120 140	+ + ○ 	+ + + ○ 	- 	+ + + 	+ + ○ - 	+ + + + ○ 		+ + + 	+ ○ - 	+ + + 	+ + ○ 	+ + +
Butyl acetate	$CH_3COOCH_2CH_2CH_2CH_3$	126	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ 	○ 	+ ○ - 		+ - 	○ - 	- 	○ - 	○ -
Butyl phenol, p-tertiary	$(CH_3)_3C-C_6H_4-OH$	237	technically pure	20 40 60 80 100 120 140	○ - 	○ - 	- 	○ 	+ 	+ + + + 		- 	○ 	- 	- 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Butylene glycol (SpRB)	$HO\text{-}CH_2\text{-}CH{=}CH\text{-}CH_2\text{-}OH$	235	technically pure	20	+	+	+	+	+	+		+	+	-	+	O
				40	+	+	+	+	+	+		+	+		+	-
				60	O	+	+	+	+	+		+	O		+	
				80						+						
				100												
				120												
				140												
Butylene liquid	C_4H_8	51	technically pure	20	+			-	-	+		O	+	+	+	O
				40												
				60												
				80												
				100												
				120												
				140												
Butyric acid (SpRB)	$CH_3\text{-}CH_2\text{-}CH_2\text{-}COOH$	163	technically pure	20	+	+	-	+	+	+		O	O	-	O	O
				40				+		+						
				60				O		+						
				80						+						
				100						O						
				120												
				140												
Cadmium bromide	$CdBr_2$			20	+	+		+	+			+	+			
				40	+	+		+	+			+	+			
				60	+	+		+	+			+	+			
				80		+							+			
				100												
				120												
				140												
Cadmium chloride	$CdCl_2$			20	+	+		+	+			+	+			
				40	+	+		+	+			+	+			
				60	+	+		+	+			+	+			
				80					+							
				100												
				120												
				140												
Cadmium cyanide	$Cd(CN)_2$			20	+			+	+							
				40	+			+	+							
				60	+			+	+							
				80					+							
				100												
				120												
				140												
Cadmium sulfate	$CdSO_4$			20	+	+		+	+			+	+			
				40	+	+		+	+			+	+			
				60	+	+		+	+			+	+			
				80		+			+				+			
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Calcium acetate	$(CH_5COO)_2Ca$		saturated	20 40 60 80 100 120 140	+ +	+ + + +	+	+ + +	+ + +	+ + +		+ + +	+			
Calcium bisulphite	$Ca(HSO_3)_2$		cold saturated, aqueous	20 40 60 80 100 120 140	+	+ + + +	+ +			+ + + + + +		+	+ + + + +	-	O	+
Calcium carbonate	$CaCO_3$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ + + +	+ + + +			
Calcium chlorate	$Ca(ClO_3)_2$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + +	+ + +						
Calcium chloride	$CaCl_2$	125	saturated, aqueous, all	20 40 60 80 100 120 140	+ + O	+ + + +	+ +	+ + +	+ + + + +	+ + + + + +		+ + + + O	+ + + +	+ + + O	+ + + O	+ + + + +
Calcium fluoride	CaF_2			20 40 60 80 100 120 140	+ + +			+ + +	+ + + +				+ + +			
Calcium fungstate	CaO_4W			20 40 60 80 100 120 140						+ + +						

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Calcium hydrogencarbonate	$Ca(HCO_3)_2$			20						+		+	+			
				40						+		+	+			
				60						+		+	+			
				80						+		+	+			
				100						+			+			
				120												
				140												
Calcium hydrogensulfide	$Ca(SH)_2$			20		+				+		+				
				40		+				+		+				
				60		+				+		+				
				80		+				+						
				100						+						
				120												
				140												
Calcium hydrosulfite	$Ca(HSO_3)_2$		saturated	20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Calcium hydroxide	$Ca(OH)_2$	100	saturated, aqueous	20	+	+	+	+	+	O		+	+	+	+	+
				40	+	+	+	+	+	-		+	+	+	+	+
				60	+	+	+	+	+			+	+	O	+	+
				80		+			+			+	+			+
				100									+			+
				120												
				140												
Calcium lactate	$(CH_3COO)_2Ca$		saturated	20				+	+	+		+				
				40				+	+	+		+				
				60				+	+	+		+				
				80					+	+						
				100						+						
				120												
				140												
Calcium nitrate	$Ca(NO_3)_2$	115	50%, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60		+		+	+	+		+	+			+
				80		+				+			+			
				100						+						
				120												
				140												
Calcium phosphate	$Ca(H_2PO_4)_2$ $CaHPO_4$ $Ca_3(PO_4)_2$			20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Calcium sulfide	Ca_5			20 40 60 80 100 120 140	+ + +				+ + + +			+				
Calcium sulphate	$CaSO_4$		suspensions	20 40 60 80 100 120 140	+ + +	+ + + +				+ + + + +		+ + +				
Calcium sulphite	$Ca(HSO_3)_2$		aqueous, cold saturated	20 40 60 80 100 120 140	+ + +			+ + +	+ + + +			+				
Calciumbromid	$CaBr_2$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +			+ + +	+ + +			
Caprolactam	$C_6H_{11}NO$			20 40 60 80 100 120 140		-										
Caprolactone	$C_6H_{10}O_2$			20 40 60 80 100 120 140		-										
Carbon dioxide -carbonic acid (G)	CO_2		technically pure, anhydrous	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + + +	+ + + + +		+ +	+ + + +	+ + +	+ + +	+ + + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Carbon disulphide	CS_2	46	technically pure	20	-	-	-	O	O	+			+	-	-	-
				40												
				60												
				80												
				100												
				120												
				140												
Carbon tetrachloride	CCl_4	77	technically pure	20	-	-	-	-	-	+		-	+	-	-	-
				40												
				60												
				80												
				100												
				120												
				140												
Carbonic acid	H_2CO_3			20	+	+		+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Caro's acid	see Peroxomonosulfuric acid															
Casein				20						+						
				40						+						
				60						+						
				80												
				100												
				120												
				140												
Caustic potash solution (potassium hydroxide)	KOH	131	50%, aqueous	20	+	+	+	+	+	-			-	O	-	+
				40	+	+	+	+	+					-		O
				60	O	+	+	+	+			+				O
				80		+			+			O				-
				100					+							
				120												
				140												
Caustic soda solution	NaOH		50%, aqueous	20	+	+	+	+	+	O		+	-	O	-	+
				40	+	+		+	+			+		-		O
				60		+		+	+			+				-
				80					+							
				100												
				120												
				140												
Cerium (III) -chloride	$CeCl_3$			20						+						
				40						+						
				60						+						
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Cesium chloride	ClCs			20 40 60 80 100 120 140						+ + +						
Cesiumhydroxide	CsOH			20 40 60 80 100 120 140						+ + +						
Chloral hydrate	CCl_3-$CH(OH)_2$	98	technically pure	20 40 60 80 100 120 140	-		-	+ + +	O -	-		O	O	-	O	+
Chloric acid (SpRB)	$HClO_3$		10%, aqueous	20 40 60 80 100 120 140	+ + O	+ + +	-	+ +	-	+ +		+ + +	-	-	-	+ + +
Chloric acid (SpRB)	$HClO_3$		20%, aqueous	20 40 60 80 100 120 140	+ + O	+ + +	-	O	-	+		+ +	-	-	-	+ +
Chlorine	Cl_2		moist, 97%, gaseous	20 40 60 80 100 120 140	-	-	-	-	-	-		-	+	-	-	O
Chlorine	Cl_2		liquid, technically pure	20 40 60 80 100 120 140	-	-	-	O O -	-	+ + + + O		O	+	-	-	O

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Chlorine	Cl_2		liquid, technically pure	20 40 60 80 100 120 140	- 	- 	- 	- 	- 	+ 		- 	○ 	- 	- 	-
Chlorine water (SpRB, G)	Cl_2 H_2O		saturated	20 40 60 80 100 120 140	+ + ○ 	+ + ○ - 	○ 	○ ○ 	○ 	○ 		○ 	○ 	- 	○ 	-
Chloroacetic acid, mono (SpRB)	$ClCH_2COOH$		50%, aqueous	20 40 60 80 100 120 140	+ + 	- 	- 	+ + + 	+ + + 	+ ○ - 		○ 	- 	- 	- 	○
Chloroacetic acid, mono (SpRB)	$ClCH_2COOH$	188	technically pure	20 40 60 80 100 120 140	+ + ○ 	- 	- 	+ + + 	+ + + 	- 		○ 	- 	- 	- 	○
Chlorobenzene	C_6H_5Cl	132	technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	+ 	+ + ○ - 		- 	- 	- 	- 	○
Chloroethanol	$ClCH_2$-CH_2OH	129	technically pure	20 40 60 80 100 120 140	- 		- 	+ + + 	+ + + 	+ ○ ○ - 		○ 	- 	+ 	- 	○
Chlorosulphonic acid	$ClSO_3H$	158	technically pure	20 40 60 80 100 120 140	○ 	- 	- 	- 	- 	○ - 		- 	- 	- 	- 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Chrome alum (chromium potassium sulphate)	$KCr(SO_4)_2$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + +	+ +	+ + +	+ + +	+ +		+ + + +	+ + + + +	+ + +	+ + +	+ + +
Chromic acid (SpRB)	CrO_3 H_2O		up to 50%, aqueous	20 40 60 80 100 120 140	○ ○ -	+ ○○ ○ -	-	○ -	○ -	+ + + + ○○ ○		○ ○○ ○	+ ++ +	-	-	○ ○○ ○
Chromic acid (SpRB)	CrO_3 H_2O		all, aqueous	20 40 60 80 100 120 140	○	○	-	○	○	+ + + ○○ ○			+ + ○	-	-	○ ○○ ○
Chromic acid + sulphuric acid + water (SpRB)	CrO_3 H_2SO_4 H_2O		50 g 15 g 35 g	20 40 60 80 100 120 140	+ + ○	+ + + ○	-	-	-	+ + + ○		○ ○	+ + +	-	-	○ ○
Chromium (III) -chloride	$CrCl_3$			20 40 60 80 100 120 140	+ + +					+ + + + +						
Chromium (III) -fluoride	CrF_3			20 40 60 80 100 120 140						+ + +						
Chromium (IIII) -chloride	$CrCl_3$			20 40 60 80 100 120 140	+ + +					+ + + + +						

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Chromium (III) -nitrate	$Cr(NO_3)_3$			20	+					+						
				40	+					+						
				60	+					+						
				80						+						
				100						+						
				120												
				140												
Chromium (III) -sulfate	$Cr(SO_4)_3$			20	+					+						
				40	+					+						
				60	+					+						
				80						+						
				100						+						
				120												
				140												
Cider				20	+	+	+	+	+	+		+	+	+	+	+
				40			+			+						
				60						+						
				80												
				100												
				120												
				140												
Citric acid		Fp.*, 153	10%, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	+	+	+		+	+	○	+	+
				80					+	+						
				100					+	+						
				120												
				140												
Coal gas, benzene free (G)				20	+	+	+	+	+	+			+	+	○	+
				40												
				60												
				80												
				100												
				120												
				140												
Coconut fat alcohol (SpRB)			technically pure	20	+	-	-	+	+	+			+	+	+	+
				40	+			○	+	+			+	+	○	○
				60	○				○	+			+	+		
				80												
				100												
				120												
				140												
Compressed air, containing oil (SpRB)				20	-	-	-	+	○	+		-	+	+	+	+
				40				+		+						
				60						+						
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Copper salts	$CuCl$, $CuCl_2$, CuF_2, $Cu(NO_3)_2$, $CuSO_4$, $Cu(CN)_2$		all, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+ + +	+ + +	+ + +	+ + + + +		+ +	+ + + +	+ + ○	+ + +	+ + ○
Corn oil (SpRB)			technically pure	20 40 60 80 100 120 140	○	○ ○	○	+ + ○	+ + ○	+ + + +			+ + +	+ + +	○ -	+ + ○
Cresol	HO-C_6H_4-CH_3		cold saturated, aqueous	20 40 60 80 100 120 140	○	-	-	+ +	+ +	+ + + ○			+ +	○ ○	-	○
Crotonic aldehyde	CH_3-CH=CH-CHO	102	technically pure	20 40 60 80 100 120 140	-	-	-	+	+	+ ○ -		+	+	+	+	+
Cyclohexane (Q/E)	C_6H_{12}	81	technically pure	20 40 60 80 100 120 140	-	-	-	+ + +	+	+ + + +		-	+	+	-	-
Cyclohexanol (SpRB)	$C_6H_{12}O$	161	technically pure	20 40 60 80 100 120 140	+ + +	+ + + ○	-	+ + +	+ + ○	+ + ○ ○ -		-	+	○	+	+
Cyclohexanone	$C_6H_{10}O$	155	technically pure	20 40 60 80 100 120 140	-	-	-	+ ○ ○	+ ○ ○	+ ○ -		○	-	-	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Densodrine W				20	+	+	○			+			+	+	+	
				40	+	+										
				60	+	+										
				80												
				100												
				120												
				140												
Detergents see washing powder (SpRB)			for usual washing lathers	20	+	○	-	+	+	+			+	+	+	+
				40	+			+	+	+		+	+	+	+	+
				60	○			+	+	+		+	+	+	+	+
				80						+						
				100						+						
				120												
				140												
Dextrine	$(C_6H_{10}O_5)n$		usual commercial	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+		+		+	+	+	+	+
				60	+	+	+	+		+		+	+	+	+	+
				80		+				+						
				100						+						
				120						+						
				140												
Dextrose				20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Di isobutyl ketone	$[(CH_3)_2CHCH_2]_2CO$	124	technically pure	20	-	-	-	+	+	+		○	-	-	-	-
				40						+						
				60				-	-	○						
				80												
				100												
				120												
				140												
Dibuttyl ether	$C_4H_9OC_4H_9$	142	technically pure	20	-	-	-	○	○			-	+	+	-	○
				40									+	○		○
				60				-	-				○	-		○
				80												
				100												
				120												
				140												
Dibutyl phthalate	$C_6H_4(COOC_4H_9)_2$	340	technically pure	20	-	-	-	+	+	+		○	○	-	-	-
				40				○	○	+						
				60				○	○	○						
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Dibutyl sebacate	$C_8H_{16}(COOC_4H_9)_2$	344	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ 	+ 	+ 		+ 	+ 	- 	- 	-
Dichloroacetic acid	$Cl_2CHCOOH$	194	technically pure	20 40 60 80 100 120 140	+ + ○ 	- 	- 	+ + ○ 	+ + ○ 	+ + ○ - 		+ + + 	○ - 	- 	○ - 	+ ○ -
Dichloroacetic acid (SpRB)	$Cl_2CHCOOH$		50%, aqueous	20 40 60 80 100 120 140	+ + ○ 	- 	- 	+ + + 	+ + + 	+ + + ○ - 		+ + + 	○ ○ - 	- 	+ ○ - 	+ + ○
Dichloroacetic acid methyl ester	$Cl_2CHCOOCH_3$	143	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	+ + + 	○ 		+ + ○ 	- 	- 	- 	+ + ○
Dichlorobenzene	$C_6H_4Cl_2$	180	technically pure	20 40 60 80 100 120 140	- 	- 	- 									
Dichloroethan	Ethylene chloride															
Dichloroethylene	ClCH=CHCl	60	technically pure	20 40 60 80 100 120 140	- 	- 	- 	- 	○ 	+ + 		- 	○ 	- 	- 	-
Dichloromethane	CH_2Cl_2			20 40 60 80 100 120 140	- 	- 	- 									

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Diesel oil (SpRB, Q/E)				20 40 60 80 100 120 140	+ +	+ +	○	+ ○	○	+ + + + +		-	+ +	+ +	○	○ -
Diethyl ether	H_5C_2-O-C_2H_5			20 40 60 80 100 120 140	-	-	-									
Diethylamine	$(C_2H_5)_2NH$	56	technically pure	20 40 60 80 100 120 140	○	-	-	+	+	+ ○ -		○	-	-	-	-
Diethylene glycol butyl ether	C_4H_9-O-$(CH_2)_2$-O-$(C_{42})_2$-O-$_4$			20 40 60 80 100 120 140	-	-	-									
Diglycolic acid (SpRB)	HOOC-CH_2-O-CH_2-COOH	Fp*., 148	30%, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+	+ + +	+ + +	+		+	○	+	+	○
Dimethyl formamide	$(CH_3)_2CHNO$	153	technically pure	20 40 60 80 100 120 140	-	-	-	+ + ○	+ + +	-		○	-	○	+	+
Dimethylamine	$(CH_3)_2NH$	7	technically pure	20 40 60 80 100 120 140	○	-	-	+ ○	+	○ -		○	-	-	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Dimethylphthalate (DMP)	$C_6H_4(CH_3)_2$			20 40 60 80 100 120 140	- 	- 	- 	 	 	 	 	 	 	 	 	
Dinonyl phthalate (DNP)	$C_6H_4[(CH_2)_8CH_3]_2$		technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	+ 	 	 	○ 	+ 	- 	- 	-
Diocty le phthalate (DOP) (SpRB)			technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	+ - 	 	 	○ 	+ 	- 	- 	-
Dioxane	$C_4H_8O_2$	101	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	○ ○ ○ - 	- 	 	 	- 	○ 	- 	-
Drinking water	see water															
Ethanolamine	Annino ethanol															
Ethyl acetate	CH_3COOCH_2-CH_3	77	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ ○ ○ 	+ ○ ○ 	○ 	 	+ 	- 	- 	- 	-
Ethyl acetate	$CH_3COOC_2H_5$			20 40 60 80 100 120 140	- 	- 	- 	 	 	 	 	 	 	 	 	

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ethyl alcohol + acetic acid (fermentation mixture)			technically pure	20 40 60 80 100 120 140	+ + ○	○	-	+ + +	+	+ + ○		○ ○	○ ○	○ ○	+ + +	+ + +
Ethyl alcohol (Ethnoc) (SpRB)	CH_3-CH_2-OH	78	technically pure, 96%	20 40 60 80 100 120 140	+ + ○	○	-	+ + +	+ + +	+ ○ -		+ + +	○ ○ ○	○	+	+
Ethyl benzene	C_6H_5-CH_2CH_3	136	technically pure	20 40 60 80 100 120 140	-	-	-	○	○ -	○		-	+	-	-	-
Ethyl chloride	CH_3-CH_2Cl	12	technically pure	20 40 60 80 100 120 140	-	-	-	○	○	○		-	○	-	-	-
Ethyl chloride (G)	C_2H_5Cl			20 40 60 80 100 120 140	-	-	-									
Ethyl ether	CH_3CH_2-O-CH_2CH_3	35	technically pure	20 40 60 80 100 120 140	-	-	-	+	○	+		-	-	-	-	-
Ethylenbromide (1,2-Dibromoethane)	Br-C_{42}-C_{42}-Br			20 40 60 80 100 120 140	-	-	-									

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Ethylene chloride	$ClCH_2$-CH_2Cl	83	technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	○ 	+ + + ○ - 		- 	+ + ○ 	○ - 	○ - 	-
Ethylene diamine	H_2N-CH_2-CH_2-NH_2	117	technically pure	20 40 60 80 100 120 140	○ 	- 	- 	+ + + 	+ + + 	○ ○ - 		+ 	○ ○ - 	+ ○ - 	+ ○ - 	○ ○ -
Ethylene glycol (SpRB)	HO-CH_2-CH_2-OH	198	technically pure	20 40 60 80 100 120 140	+ + + 	○ 	- 	+ + + 	+ + + + + 	+ + + + + + 		+ + + + 	+ + + ○ 	+ + ○ 	+ + ○ 	+ + + ○
Ethylene glycol	CH_2OHCH_2OH	198	technically pure	20 40 60 80 100 120 140	+ + + 	 	- 	+ + + 	+ + + + 	+ + + + + 		+ + + 	+ + + ○ 	+ + ○ 	+ + ○ 	+ + + ○
Ethylene oxide (G)	CH_2-CH_2	10	technically pure, moist	20 40 60 80 100 120 140	- 	- 	- 	- 	○ 	+ 		○ 	- 	- 	- 	-
Ethylenediamin-etetraacetic acid (EDTA)	$C_{10}H_{16}N_2O_8$			20 40 60 80 100 120 140	 	 	 	+ 	+ 	+ 		+ 	 	 	 	
Fatty acids >C6 (SpRB)	R-COOH		technically pure	20 40 60 80 100 120 140	+ + + 	+ + + 	- 	+ + ○ 	+ + + 	+ + + + 		+ 	+ 	○ 	○ 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Fatty alcohol sulphonates (SpRB)			aqueous	20	+	+		+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	+	+	+
				60	○	○		+	○	+		+	+	+	+	+
				80						+						
				100						+						
				120												
				140												
Fertilizers			aqueous	20	+	+	○	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80		+				+			+			+
				100									+			
				120												
				140												
Fluorine (G)	F_2		technically pure	20	-	-	-	-	-	-		-	-	-	-	-
				40												
				60												
				80												
				100												
				120												
				140												
Fluoroboric acid	HBF_4			20												
				40												
				60												
				80												
				100												
				120												
				140												
Fluorosilicic acid (Q/E)	H_2SiF_6		32%, aqueous	20	+	+	+	+	+	+		+	○	○	○	+
				40	+	+	+	+		+				-	-	○
				60	+	+	+	+		+						-
				80						+						
				100						+						
				120												
				140												
Formaldehyde (SpRB)	HCHO		40%, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60			+	+		+		+	+	○	○	○
				80						+						
				100												
				120												
				140												
Formamide	$HCONH_2$	210	technically pure	20	-	-	-	+	+			+	○	+	+	
				40				+	+							
				60				+	+							
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Formic acid (SpRB)	HCOOH		up to 50%, aqueous	20 40 60 80 100 120 140	+ + ○	-	○	+ + +	+ + ○	+ + + + +		+ + ○	+ + ○ -	-	+ + ○	+ + + ○
Formic acid (SpRB)			25%	20 40 60 80 100 120 140	+ + +	+ + +		+ + +	+ + + +	+ + + +		+ + +				
Formic acid (SpRB)	HCOOH	101	technically pure	20 40 60 80 100 120 140	+ ○ -	-	-	+ + +	+ ○ -	+ + + + +		+ + + ○	+	-	+ ○ -	+ + + ○
Frigen 12 (Freon 12) (D/P, G)	CCl2F2	-30	technically pure													
Fruit juices (SpRB)				20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + + +	+ + + + + +		+ + + + +	+ + + + +	+ + + +	+ + + +	+ + + + +
Fruit pulp				20 40 60 80 100 120 140	+	+	+ +	+ + +	+ + +			+	+	+	+	+
Fuel oil				20 40 60 80 100 120 140	+ ○	+ +		○ -	○ -	+ + + + +		-	+ + +	+ + +	+ + ○	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Furfuryl alcohol (SpRB)	$C_5H_6O_2$	171	technically pure	20	-	-	-	+	+	+		○	-	-	○	○
				40				+		+						
				60				+	○	○						
				80						-						
				100												
				120												
				140												
Gelatin			all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60		+	+	+	+	+						
				80						+						
				100												
				120												
				140												
Glucose	$C_6H_{12}O_6$	Fp*., 148	all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	+	+	+		+	+	+	+	+
				80		+			+	+		+	+	+	+	+
				100						+			+			
				120												
				140												
Glycerol	HO-CH_2-CH(OH)-CH_2OH	290	technically pure	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		○	+	+	+	+
				60	+	+		+	+	+		○	○	+	+	+
				80		+			+	+			-	○	+	+
				100					+	+					○	○
				120						+						
				140												
Glycocoll (SpRB)	NH_2-CH_2-COOH	Fp.*, 233	10%, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	○	+	○
				60		+				+						
				80						+						
				100												
				120												
				140												
Glycolic acid	HO-CH_2-COOH	Fp.*, 80	37%, aqueous	20	+	-	+	+	+	+			+	+	+	+
				40			+	+		+						
				60				+		+						
				80						+						
				100						+						
				120												
				140												
Heptane (SpRB)	C_7H_{16}	98	technically pure	20	+	○	-	+	+	+		-	+	+	+	+
				40						+			+	+	+	○
				60				○	○	+			+	+	+	-
				80						+						
				100						+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Hexane (SpRB)	C_6H_{14}	69	technically pure	20 40 60 80 100 120 140	+ 	○ 	- 	+ ○ 	+ ○ 	+ + + + + 		- 	+ + + 	+ + + 	+ + + 	+ ○ -
Hydrazine hydrate (SpRB)	$H_2N\text{-}NH_2 \cdot H_2O$	113	aqueous	20 40 60 80 100 120 140	+ 	- 	- 	+ + + 	+ + + 	- 		+ 	○ 	- 	- 	+
Hydrobromic acid (SpRB)	HBr	124	aqueous, 50%	20 40 60 80 100 120 140	+ + + 	+ + + ○ 	+ + 	+ + + 	+ + + 	+ + + + + 		+ + ○ - 	+ + + ○ - 	○ - 	+ + ○ - 	+ + + ○ -
Hydrochloric acid (Q/E, D/P, G)	HCl		5%, aqueous	20 40 60 80 100 120 140	+ + ○ 	 	+ + 	+ + + 	+ + + ○ 	+ + + + + + 		+ + + 	+ + + + 	○ - 	○ - 	+ ○ -
Hydrochloric acid (Q/E, D/P, G)	HCl		36%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + ○ ○ 	- 	+ + + 	+ ○ - 	+ + + + + 		○ - 	+ ○ - 	- 	- 	○ -
Hydrochloric acid (Q/E, D/P, G)	HCl		up to 38%	20 40 60 80 100 120 140	+ + + 	+ + + 	- 	+ + 	○ 	+ + + + + 		+ 	+ + 	- 	○ 	+
Hydrochloric acid (Q/E, D/P, G)	HCl		up to 30%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + + 	○ - 	+ + + 	+ ○ ○ - 	+ + + + + 		+ ○ 	+ + ○ 	- 	- 	+ ○ -

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Hydrochloric acid (Q/E, D/P, G)	HCl		10%, aqueous	20	+	+	+	+	+	+		+	+	○	○	+
				40	+	+	+	+	+	+		+	+	-	-	○
				60	○	+		+	○	+		+	+			-
				80		+			○	+			+			
				100						+						
				120						+						
				140												
Hydrocyanic acid (G)	HCN	26	technically pure	20	+	+	-	+	+	+		+	+	○	○	+
				40	+	+		+	+	+		○	○	-	-	○
				60	○	+		+	+	+						
				80						+						
				100												
				120												
				140												
Hydrofluoric acid (G)	HF		40 %	20	+	-	-	+	+	+		-	+	-	-	+
				40	○			+	+	+			+			+
				60	○			○	+	+			○			○
				80						+						
				100						+						
				120												
				140												
Hydrogen (G)	H_2	-253	technically pure	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		+	+	+	+	+
				80		+				+		+	+	+	+	+
				100					-	+		+	+	+		
				120												
				140												
Hydrogen chloride (Q/E, G)	HCl	-85	technically pure, gaseous	20	+	+	-	+	+	+		+	+	○	○	○
				40	+	+		+	+	+		+	+	-	-	○
				60	○	+		+	+	+		+	+			-
				80		○				+						
				100						+						
				120												
				140												
Hydrogen peroxide (SpRB)	H_2O_2		10%, aqueous	20	+	+	-	+	+	○			+	○	-	+
				40	+			+	+	○		○	○	-		+
				60	○			+	+	-		-	-			○
				80												-
				100												
				120												
				140												
Hydrogen peroxide (SpRB)	H_2O_2	139	90%, aqueous	20	+		-	+	-	○			○	-	-	○
				40												
				60				-								
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Hydrogen peroxide (SpRB)	H_2O_2		50%, aqueous	20 40 60 80 100 120 140	+ 	+ 	- 	+ 	+ 	○ 		○ 	+ 			
Hydrogen peroxide (SpRB)	H_2O_2	105	30%, aqueous	20 40 60 80 100 120 140	+ 	+ 	- 	+ 	+ 	○ 		○ 	+ 	- 	- 	+ ○ -
Hydrogen sulphide (G)	H_2S		technically pure	20 40 60 80 100 120 140	+ + + 	+ + + 	+ + 	+ + ○ 	+ + + 	+ + + + + + 		+ - 	+ + ○ - 	+ ○ - 	○ - 	+ ○ ○ -
Hydrogen sulphide	H_2S		saturated, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + 	+ + 	+ + + 	+ + + 	+ + + + + + 		+ - 	+ + + ○ 	- - 	+ - 	+ + ○ -
Hydroquinone	$C_6H_4(OH)_2$		30 %	20 40 60 80 100 120 140	+ + 	+ + 	 	+ + + 	+ + + + 	 		+ 	 	 	 	
Hydroxylamine sulphate	$(NH_{30}H)_2SO_4$		all, aqueous	20 40 60 80 100 120 140	+ + 	+ + 	- 	+ + + 	+ + + 	 		+ 	+ + 	+ ○ 	○ 	+ +
Iodine-potassium iodide solution (lugol's solution)	I-KI			20 40 60 80 100 120 140	+ 	- 	- 	 	 	+ 		 	+ 	 	 	

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Iodium	I_2	185	100%	20	-	-	-			+			+			
				40												
				60												
				80												
				100												
				120												
				140												
Iron (II) -chloride	$FeCl_2$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Iron (II) -nitrate	$Fe(NO_3)_2$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+			+			
				100						+			+			
				120												
				140												
Iron (III) -chloride	$FeCl_3$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Iron (III) -chloridsulfate	$FeClSO_4$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Iron (III) -sulfate	$Fe_2(SO_4)_3$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Iron salts			all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	O	+		+	+	+		+	+	+	+	+
				80		+			+	+		+	+			+
				100						+			+			
				120						+						
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Isooctane (SpRB)	$(CH_3)_3$-C-CH_2-CH-$(CH_3)_2$	99	technically pure	20	+		-	+	+	+			+	+	+	○
				40						+						
				60				○	○	+						
				80						+						
				100						+						
				120												
				140												
Isophorone (SpRB)	$C_9H_{14}O$		technically pure	20						-						
				40												
				60												
				80												
				100												
				120												
				140												
Isopropyl alcohol (SpRB)	$(CH_3)_2$-CH-OH	82	technically pure	20				+	+	+		+				
				40						+						
				60						+						
				80						○						
				100												
				120												
				140												
Isopropyl ether	$(CH_3)_2$-CH-O-CH-$(CH_3)_2$	68	technically pure	20	-	-	-	○	○	+		○	-	-	-	-
				40						+						
				60				-	-	+						
				80												
				100												
				120												
				140												
Isopropylbenzene	CaH_{12}			20	-	-	-									
				40												
				60												
				80												
				100												
				120												
				140												
Jam, Marmalade				20	+	+	+	+	+	+			+	+	+	+
				40	○	+	+	+	+	+			+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80					+	+		+	+			
				100					+	+						
				120						+						
				140												
Lactic acid (SpRB)	$CH_3CHOHCOOH$		10%, aqueous	20	+	+	+	+	+	+			+	-	-	○
				40	○	+	○	+	+	○			○			○
				60	-	+	-	+	+	○		○	○			○
				80		+			+	○		-	○			
				100					+	-						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Lanolin (SpRB)			technically pure	20	+	o	+	+	+	+			+	+	+	O
				40	O		+	+	+	+			+	+	O	-
				60			+	+	+	+			+	+	-	
				80						+						
				100						+						
				120						+						
				140												
Lead acetate	$Pb(CH_3COO)_2$		aqueous, saturated	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		+	+	+	+	+
				80		+				+						
				100						+						
				120												
				140												
Lead carbonate	$PbCO_3$			20	+	+		+	+	+		+				
				40						+						
				60						+						
				80												
				100												
				120												
				140												
Lead fluoroborate	$Pb(BF_4)_2$			20												
				40												
				60												
				80												
				100												
				120												
				140												
Lead nitrate	$Pb(NO_3)_2$			20		+										
				40		+										
				60		+										
				80		+										
				100												
				120												
				140												
Lead salts	$PbCl_2$, $Pb(NO_3)_2$, $PbSO_4$		saturated	20		+										
				40		+										
				60		+										
				80		+										
				100												
				120												
				140												
Linoleic acid				20						+						
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Linseed oil (SpRB)			technically pure	20	+	+	+	+	+	+			+	+	○	+
				40	+	+	-	+	+	+			+	+	-	○
				60	○			+	+	+			+	+		-
				80					+	+						
				100					+	+						
				120						+						
				140												
Liqueurs				20	+			+	+	+		+	+	+	+	+
				40	+			+		+						
				60						+						
				80						+						
				100												
				120												
				140												
Liquid fertilizers				20				+	+			+				
				40				+	+			+				
				60				+	+			+				
				80					+							
				100												
				120												
				140												
Lithium bromide	LiBr			20	+	+		+	+	+		+	+			
				40						+						
				60						+						
				80						+						
				100						+						
				120												
				140												
Lithium sulfate	Li_2SO_4			20	+	+		+	+	+		+	+			
				40						+						
				60						+						
				80												
				100												
				120												
				140												
Lubricating oils				20	+	○	-	+	○	+		-	+	+	+	+
				40	+			+		+			+	+	○	○
				60	+			○		+			+	○	-	-
				80						+			○			
				100						+			-			
				120						+						
				140												
Magnesium salts	$MgCl_2$, $MgCO_3$, $Mg(NO_3)_2$, $Mg(OH)_2$, $MgSO_4$		all, aqueous,saturated	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80		+			+	+		+	+			+
				100					+	+			+			
				120						+						
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Magnesium-hydrogen carbonate				20 40 60 80 100 120 140	+ + +			+ + +	+ + +			+ + +				
Maleic acid (SpRB)	$(CH\text{-}COOH)_2$	Fp.*, 131	cold saturated, aqueous	20 40 60 80 100 120 140	+ + O	+ +	+	+ + +	+ + +	+ + + + + +			+ + + -	-	-	-
Mercury	Hg	357	pure	20 40 60 80 100 120 140	+ + +	+	+	+ + +	+ + +	+ + + + + +		+ +	+ + + +	+ + +	+ + +	+ + +
Mercury (II) -chloride	$HgCl_2$			20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + + + +		+ + +	+ + +	+ + +	+ + +	+ + +
Mercury (II) -cyanide	$Hg(CN)_2$			20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + +	+ + + + +		+ + +	+ + +	+ + +	+ + +	+ + +
Mercury (II) -cyanide	$Hg(NO_3)_2$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ + +	+ + + +	+ + +	+ + +	+ + +
Mercury (II) -sulfate	$HgSO_4$			20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + + + +		+ + +	+ + + +	+ + +	+ + +	+ + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Mercury salts	$HgNO_3$, $Hg Cl_2$, $Hg(CN)_2$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+	+ + +	+ + +	+ + + + + +		+ +	+ + +	○ ○ -	○ ○ -	○ ○ -
Methane see natural gas (G)	CH_4	-161	technically pure	20 40 60 80 100 120 140	+	+	+	+	+	+ + +			+	+	-	-
Methanol (SpRB)	CH_3OH	65	all	20 40 60 80 100 120 140	+ + ○	-	-	+ + +	+ + +	+ ○ -		 +	○ ○ ○	+ + +	+ + ○	+ + +
Methyl acetate	CH_3COOCH_3	56	technically pure	20 40 60 80 100 120 140	-	-	-	+	+ + ○	+ ○			-	-	-	-
Methyl amine (G)	CH_3NH_2	-6	32%, aqueous	20 40 60 80 100 120 140	○	-	-	+	+	○			+	-	+	+
Methyl bromide (G)	CH_3Br	4	technically pure	20 40 60 80 100 120 140	-	-	-	○	-	+ + +			○	-	-	○
Methyl chloride (G)	CH_3Cl	-24	technically pure	20 40 60 80 100 120 140	-	-	-	○	-	+ + +			-	-	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Methyl ethyl ketone	$CH_3COC_2H_5$	80	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ ○ - 	+ ○ ○ 	- 			- 	- 	- 	-
Methylene chloride	CH_2Cl_2	40	technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	○ 	+ ○ ○ 			○ 	- 	- 	-
Methylisobutylketone	$C_6H_{12}O$			20 40 60 80 100 120 140	- 	- 	- 									
Methylmethacrylate	$C_5H_8O_2$			20 40 60 80 100 120 140	- 	- 	- 									
Methylphenylketone (Acetophenon)	C_8H_8O			20 40 60 80 100 120 140	- 	- 	- 									
Milk (SpRB)				20 40 60 80 100 120 140	+ + + 	+ + + + 	+ + + 	+ + + 	+ + + + + 	+ + + + + + 			+ 	+ 	+ 	+
Mineral oils, free of aromatics				20 40 60 80 100 120 140	+ + + 	+ 	- 	+ + ○ 	+ + ○ 	+ + + + + + 			+ + + 	+ + + 	○ - 	○ -

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Mineral water				20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + + + +	+ + + + + +		 + +	+ + + + +	+ + + +	+ + +	+ + + + +
Mixed acid	HCl CH_3OH		90% 10%	20 40 60 80 100 120 140												
Mixed acids - nitric - hydrofluoric - sulphuric	15 % HNO_3 15 % HF 18 % H_2SO_4		3 parts 1 part 2 parts	20 40 60 80 100 120 140	○	○	-	○	-	+ + +			+ ○	-	-	+ ○
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		48% 49% 43%	20 40 60 80 100 120 140	+ ○ -	+	-	-	-	+			-	-	-	-
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		10% 87% 43%	20 40 60 80 100 120 140	○	○	-	-	-	○			-	-	-	-
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		50% 50% 40%	20 40 60 80 100 120 140	○ -	○	-	-	-	+			-	-	-	-
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		50% 31% 19%	20 40 60 80 100 120 140	+		-	-	-	+			+	-	○	○

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		10% 20% 70%	20 40 60 80 100 120 140	+ +	+ 	- 	○ 	- 	+ + + + 			+ + + 	- 	○ 	○ + ○
Mixed acids - sulphuric - nitric - water	H_2SO_4 HNO_3 H_2O		50% 33% 17%	20 40 60 80 100 120 140	+ ○	+ 	- 	- 	- 	+ 			+ 	- 	- 	○
Mixed acids - sulphuric - phosphoric - phosphoric	H_2SO_4 H_3PO_4 H_2O		30% 60% 10%	20 40 60 80 100 120 140	+ +	+ + +	- 	+ ○ 	+ ○ 	+ + + +			+ + + 	- 	+ ○ 	+ ○
Molasses				20 40 60 80 100 120 140	+ + ○ 	+ + + +	+ + + 	+ + + 	+ + + 	+ + + +		+ + 	+ + + +	+ + + +	+ + + ○	+ + + +
Monochloroacetic acid ethyl ester	$ClCH_2COOC_2H_5$	144	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	+ + + 	○ - 			○ 	- 	- 	-
Morpholin	C_4H_9NO	129	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	+ + + 	+ + ○ 			+ 	- 	○ 	○
Mowilith D			usual commercial	20 40 60 80 100 120 140	+	+		+	+	+			+	+	+	+

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Naphthalene	$C_{10}H_8$	218	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ O 	+ 	+ + O 		- 	+ + + 	+ + + 	- 	O -
Nickel salts	$(CH_3COO)_2Ni$, $NiCl_2$, $NI(NO_3)_2$, $Ni\ SO_4$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + O 	+ + + 	+ + + 	+ + + 	+ + + 	+ + + + + + +		+ + 	+ + + + + 	+ + + 	+ + + 	+ + +
Nitrating acid	H_2SO_4 HNO_3 H_2O		65% 20% 15%	20 40 60 80 100 120 140						+ 						
Nitric acid (SpRB, G)	HNO_3		up to 30%	20 40 60 80 100 120 140	+ + + 	+ + + 	- 	+ 	O 	+ + + + + 		+ 	+ + + 			
Nitric acid (SpRB, G)	HNO_3		up to 55%	20 40 60 80 100 120 140	+ + 	+ + 	- 	+ 	- 	+ + + 			+ 			
Nitric acid (SpRB, G)	HNO_3		up to 25%	20 40 60 80 100 120 140	+ + + 	+ + + + 	- 	+ + + 	+ O 	+ + + + + 		+ 	+ + 			
Nitric acid (see note 2.3.1 on jointing) (SpRB, G)	Salpetre		6,3%, aqueous													
Nitric acid (see note 2.3.1 on jointing) (SpRB, G)	Salpetre		up to 40%, aqueous													

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Nitric acid (see note 2.3.1 on jointing) (SpRB, G)	Salpetre		85%													
Nitric acid (see note 2.3.1 on jointing) (SpRB, D/P)	Salpetre		100%													
Nitric acid (see note 2.3.1 on jointing) (SpRB, G)	Salpetre		65%, aqueous													
Nitric oxide see Nitrous gases (G)	NO x			20 40 60 80 100 120 140												
Nitrilotriacetic acid	$N(CH_2\text{-}COOH)_3$			20 40 60 80 100 120 140				+ 	+ 	 		+ 	 	 	 	
Nitrobenzene	$C_6H_5\text{-}NO_2$	209	technically pure	20 40 60 80 100 120 140	-	-	-	+ O O 	+ + 	+ O - 		- 	O 	- 	- 	-
Nitrotoluene (o-, m-, p-)	$C_7H_7NO_2$	222-238	technically pure	20 40 60 80 100 120 140	-	-	-	+ O 	+ O 	+ + + + O 		- 	O - 	O - 	- 	-
Nitrous acid	HNO_2			20 40 60 80 100 120 140	+ + 	+ + 	-	+	-	+ + + 		+ 	+ 	 	 	

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Nitrous gases see Nitric oxide	NOx		diluted, moist, anhydrous	20 40 60 80 100 120 140	+ O	+	-	+ + +	O + -	+ + + + +		O	+ + +	O -	+ O -	+ + O
N-Methylpyrrolidon	C_5H_9NO			20 40 60 80 100 120 140	-	-	-									
N,N-Dimethylaniline	$C_6H_5N(CH_3)_2$		technically pure	20 40 60 80 100 120 140	-	-	-	+	+			+				
n-Pentylacetate	$C_7H_{14}O_2$			20 40 60 80 100 120 140	-	-	-									
Oleic acid (SpRB)	$C_{17}H_{33}COOH$		technically pure	20 40 60 80 100 120 140	+ + +	O	-	+ + O	+ + O	+ + + + + +		-	+ O -	O -	-	-
Oleum (SpRB, G)	$H_2SO_4+SO_3$		10% SO3	20 40 60 80 100 120 140	-	-	-	-	-	-		-	-	-	-	-
Oleum vapours (SpRB)	SO_3		traces	20 40 60 80 100 120 140	+	-	-	-	-	-		-	+	-	-	O

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Olive oil (SpRB)				20	+	-	-	+	+	+		-	+	+	+	+
				40	+			+	+	+			+	+	+	+
				60	+			○	+	+			+	+	+	○
				80					+	+			+			-
				100												
				120												
				140												
Oxalic acid (SpRB)	$(COOH)_2$		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	○	○	○
				40	+	+	+	+	+	+			+	-	-	○
				60	+	+		+	+	+			○			-
				80		○				+			-			
				100						+						
				120												
				140												
Oxygen (G)	O_2		technically pure	20	+	+	+	+	+	+		+	+	+	+	+
				40	+		+	+	+	+		+	+		+	+
				60	+		+	○	○	+		+	+		+	+
				80						+			+		+	+
				100						○			+			+
				120						○			+			
				140												
Ozone (SpRB, G)	O_3		up to 2%, in air	20	+	+	-	○	○	○		○	+	-	○	+
				40				-	-							
				60												
				80												
				100												
				120												
				140												
Ozone (SpRB, G)	O_3		cold saturated, aqueous	20	+	+	-	○	○	○		-	+	-	○	+
				40	+			-	-				○		-	+
				60									-			○
				80												
				100												
				120												
				140												
Palm oil, palm nut oil (SpRB)				20	+	○	+	+	+	+		-	+	+	+	○
				40	-			+	+	+			+	+	○	-
				60				○	○	+			+	○	-	
				80						+						
				100						+						
				120												
				140												
Palmitic acid (SpRB)	$C_{15}H_{31}COOH$	390	technically pure	20	+	-	+	○	○	+		○	+	○	+	○
				40						+			○	-	-	-
				60					-	+			-			
				80						+						
				100						+						
				120						+						
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Paraffin emulsions			usual commercial, aqueous	20 40 60 80 100 120 140	+ +	+ +	○	+ + ○	+ + ○	+ + + + + +		-	+ + + +	+ + ○	+ ○ -	+ -
Paraffin oil				20 40 60 80 100 120 140	+ + ○	+	○	+ + +	+ + ○	+ + + + + +		-	+ + + ○	+ ○ ○	+ ○ -	○ -
p-Dibromo benzene	$C_6H_5Br_2$		technically pure	20 40 60 80 100 120 140	-	-	-	○	○	+ + + + +		-	+	-	-	-
Perchloric acid				20 40 60 80 100 120 140												
Perchlorid acid (SpRB)	$HClO_4$		10%, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	○	+ + +	+ + +	+ + + + +		+ ○	+ + + ○	-	-	+ + ○ -
Perchlorid acid (SpRB)	HCl_{04}		70%, aqueous	20 40 60 80 100 120 140	○	○	-	+ ○ -	○ -	+ + + + +		-	+ + + ○	-	-	+ + ○
Perchloroethylene (tetrachlorethylene)	$Cl_2C=CCl_2$	121	technically pure	20 40 60 80 100 120 140	-	-		○	○	+ + + ○ -			+ + +	○ -	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Petroleum			technically pure	20 40 60 80 100 120 140	+ 	- 	- 	+ + ○ 	+ ○ ○ 	+ + + + + + +		- 	+ + ○ 	+ + + 	○ - 	-
Petroleum ether (SpRB)		40-70	technically pure	20 40 60 80 100 120 140	+ + + 	- 	- 	+ ○ ○ 	+ ○ ○ 	+ + + + + 		- 	+ + ○ 	+ ○ - 	- 	-
Phenol (SpRB)	C_6H_5-OH	182	up to 10%, aqueous	20 40 60 80 100 120 140	+ ○ 	+ + 	- 	+ + ○ 	+ + + 	+ + + + + 		 ○ 	+ + ○ 	- 	- 	-
Phenol (SpRB)	C_6H_5-OH		up to 90%, aqueous	20 40 60 80 100 120 140	○ 	- 	- 	+ + ○ 	+ + + 	+ + ○ 		- 	+ ○ - 	- 	- ○ 	-
Phenol (SpRB)	C_6H_6O		up to 5%	20 40 60 80 100 120 140	+ 	+ + 	- 	+ + + 	+ + + 	+ + + + ○ 		+ ○ 	+ + + ○ 	- 	- 	
Phenylhydrazine	C_6H_5-NH-NH_2	243	technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	○ 	○ - 		- 	+ + ○ 	- 	- 	-
Phenylhydrazine hydrochloride	C_6H_5-NH-NH_2HCl		aqueous	20 40 60 80 100 120 140	○ 	○ 	- 	 	+ ○ ○ 	+ + + 		 ○ 	+ + ○ - 	○ - 	○ - 	+ + ○ -

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Phosgene (SpRB, G)	$COCl_2$	8	liquid, technically pure	20 40 60 80 100 120 140	- 	- 	- 	- 	- 	- 		- 	+ 	○ 	+ 	+
Phosgene (SpRB, G)	$COCl_2$		gaseous, technically pure	20 40 60 80 100 120 140	+ ○ ○ 	- 	- 	○ 	○ 	+ + 		+ 	+ + ○ 	+ + + 	+ ○ - 	+ ○
Phosphoric acid	H_3PO_4		up to 30%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + + 	+ + ○ 	+ + + 	+ + + + 	+ + + + + + 		+ + ○ 	+ + + + 	○ ○ - 	+ + + ○ 	+ + + ○
Phosphoric acid	H_3PO_4		75%	20 40 60 80 100 120 140	+ + + 	+ + + + 	- 	+ + 	+ + + + 	+ + + + + 		 	+ + + + ○ 	 	 	
Phosphoric acid	H_3PO_4		up to 95%	20 40 60 80 100 120 140	+ + 	+ + + 	- 	+ + 	+ + 	+ + + + 		○ 	+ + ○ 	- 	- 	-
Phosphoric acid	H_3PO_4		85%, aqueous	20 40 60 80 100 120 140	+ + + 	+ + + + 	+ + ○ 	+ + ○ 	+ + + + 	+ + + + + + 		+ + ○ 	+ + + + ○ 	- 	+ + ○ 	+ ○ -
Phosphoric acid	H_3PO_4		50%, aqueous	20 40 60 80 100 120 140	+ + + 	+ + + + 	+ + ○ 	+ + + 	+ + + + 	+ + + + + + 		+ ○ 	+ + + + ○ 	○ - 	+ + ○ 	+ + + + ○

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Phosphoric acid tributyl ester	$(H_9C_4O)_3P=O$			20 40 60 80 100 120 140	- 	- 	- 	+ 	+ 	- 		+ 	- 	 	 	
Phosphorous chlorides: - Phosphorous trichloride - Phosphorous pentachloride - Phosphorous oxichloride (SpRB)	 PCl_3 PCl_5 $POCl_3$	175 162 105	technically pure	20 40 60 80 100 120 140	- 	- 	- 	- 	- 	- 		 	- 	- 	- 	-
Photographic developer (SpRB)			usual commercial	20 40 60 80 100 120 140	+ + ○ 	+ + + ○ 	+ + ○ 	+ + ○ 	+ + 	+ + + 		+ + 	+ + 	○ ○ 	+ + 	+ +
Photographic emulsions (SpRB)				20 40 60 80 100 120 140	+ + 	+ + ○ 	+ + 	+ + 	+ + 	+ + + 		+ + 	+ + 	○ 	+ + 	+ +
Photographic fixer (SpRB)			usual commercial	20 40 60 80 100 120 140	+ + ○ 	+ + + 	+ + ○ 	+ + 	+ + 	+ + + 		+ + 	+ + 	+ + 	+ + 	+ +
Phthalic acid (SpRB)	$C_6H_5(COOH)_2$	Fp.*, 208	saturated, aqueous	20 40 60 80 100 120 140	+ ○ - 	- 	- 	+ + + 	+ + + 	+ + + + + 		+ ○ 	- 	- 	+ + ○ 	+ +
Phthalic acid dioctayl ester	$C_{24}H_{38}O_4$			20 40 60 80 100 120 140	- 	- 	- 	+ 	+ 	- 		+ 	- 	- 	 	

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Picric acid (SpRB)	$C_6H_3N_3O_7$	Fp.*, 122	1%, aqueous	20 40 60 80 100 120 140	+ + + + + + +	- - - - - - -	- - - - - - -	+ + + + + - -	+ + + + + - -	+ + + + + - -		+ + + + + - -	+ + + + + - -	O - - - - - -	O - - - - - -	+ O - - - - -
Potash lye	KOH		50%	20 40 60 80 100 120 140	+ + + - - - -	+ + + - - - -	- - - - - - -	+ + + - - - -	+ + + - - - -	- - - - - - -		+ + + - - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -
Potash see potassium carbonate	K_2CO_3		cold saturated, aqueous	20 40 60 80 100 120 140	+ + - - - - -	+ + + - - - -	+ - - - - - -	+ + - - - - -	+ + + - - - -	+ O O O - - - -		- + - - - - -	+ + - - - - -	+ + - - - - -	+ + - - - - -	+ + - - - - -
Potassium (SpRB)	$KMnO_4$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + O - - - -	+ + - - - - -	- - - - - - -	+ + O - - - -	+ + - - - - -	+ + + + + - -		+ - - - - - -	+ + + + - - -	O - - - - - -	O - - - - - -	+ + + - - - -
Potassium acetate (SpRB)	CH_3COOK		saturated	20 40 60 80 100 120 140	+ + + - - - -	+ + + + - - -	+ - - - - - -	+ + + - - - -	+ + + + - - -	+ + + + + - -		+ + + + - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -
Potassium aluminiumsulfate (alum)	$KAl(SO_4)_2$		50%	20 40 60 80 100 120 140	+ + + - - - -	+ + + + - - -	- - - - - - -	+ + + - - - -	+ + + + - - -	+ + + + + - -		+ + + + - - -	- - - - - - -	- - - - - - -	- - - - - - -	- - - - - - -
Potassium bichromate (SpRB)	$K_2Cr_2O_7$	107	saturated, aqueous	20 40 60 80 100 120 140	+ + O - - - -	+ + + - - - -	+ + + - - - -	+ + + - - - -	+ + + + + - -	+ + + + + + -		+ - - - - - -	+ + + - - - -	+ O - - - - -	O - - - - - -	+ + + - - - -

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Potassium borate	K_3BO_3		10%, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+	+	+	+	+			+	+	+	+
				80		+										
				100												
				120												
				140												
Potassium bromate	$KBrO_3$		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	○	+	+		+	+	+	+	+
				80		+			+	+			+	+	○	+
				100					+	+				+	○	+
				120						+						
				140												
Potassium bromide	KBr		all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	+	+	+		+	+	+	+	+
				80		+				+			+	○	+	+
				100						+			+	○	○	+
				120						+						
				140												
Potassium carbonate (potash)	K_2CO_3			20	+	+	+	+	+	○		+				
				40	+	+		+	+			+				
				60	+	+		+	+			+				
				80		+			+							
				100												
				120												
				140												
Potassium chlorate (SpRB)	$K\ ClO_3$		cold saturated, aqueous	20	+	+	+	+	+	○		+	+	+	+	+
				40	+	+	+	+	+	-		+	+	○	○	+
				60	+	+	+	+	+				+			+
				80		+							+			○
				100									+			
				120												
				140												
Potassium chloride	KCl		all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		+	+	+	+	+
				80		+			+	+			+			+
				100					+	+			+			
				120						+						
				140												
Potassium chromate (SpRB)	K_2CrO_4		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+		+	+			+	○	+	+
				60	+	+	+		+	+			+	-	○	○
				80						+						
				100						+						
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Potassium cyanide	KCN		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + + +	+ + ○		 + +	+ ○ - 	+ + + +	+ + ○ -	+ + + +
Potassium dichromate	$K_2Cr_2O_7$		saturated	20 40 60 80 100 120 140		+ + + +		+ + +	+ + +	+ + + + +		+ 	+ 			
Potassium fluoride	KF		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		 	+ 			
Potassium Hexacyanoferrate -(III)	$K_4[Fe(CN)_6].{}_3H_2O$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ 	+ 			
Potassium hydrogen carbonate	$KHCO_3$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + +		+ + + 	+ 			
Potassium hydrogen sulphate	$KHSO_4$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +			+ + + +				
Potassium iodide	KJ		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + +	+ + + + +		+ 	+ + + + 	+ ○ - 	+ ○ - 	+ + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Potassium nitrate	KNO_3		50%, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	+ + +	+ + +	+ + +	+ + + + +		+ 	+ + +	+ + +	+ + +	+ + +
Potassium perchlorate (SpRB)	$KClO_4$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ + + +		+ 		+ + + +		+ 	+ + + +	+ ○ 	+ ○ 	+ + + ○
Potassium persulphate (SpRB)	$K_2S_2O_8$		all, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+ + +	+ + +	+ + +	+ + + +		+ + 	+ + + + +	- 	+ + + ○ 	+ + + ○
Potassium sulphate	K_2SO_4		all, aqueous	20 40 60 80 100 120 140	+ + ○	+ + + +	+ + +	+ + +	+ + +	+ + + +		+ + 	+ + + + +	+ + +	+ + +	+ + +
Potassium sulphide	K_2S		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	○ ○ ○		+ + + +				
Potassium sulphite	K_2SO_3		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + +			+ 				
Pottasium hexacyanoferrate -(III)	$K_3[Fe(CN)_6]$.			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ 	+ 			

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Pottasium nitrite	KNO_2			20 40 60 80 100 120 140						+ + + + +						
Pottasium phosphate	KH_2PO_4 und $K_2H\ PO_4$		all, aqueous	20 40 60 80 100 120 140	+ + O	+ + + +	O	+ + +	+ + + +	+ + + +		+ +	+ + + + +	+ O -	+ O -	+ + + O
Pottasium tartrat	$C_4H_4K_2O_6$			20 40 60 80 100 120 140	+ +			+ + +	+ + + +	+ + + + +		+ + +				
Pottasiumhydrogensulfite	$KHSO_3$			20 40 60 80 100 120 140	+ +					+ + + + +		+ +				
Pottasiumhypochlorite	KOCl			20 40 60 80 100 120 140	+	O		+	+	O		+	O			
Pottasiumperoxodisulfate	$K_2S_2O_8$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +										
Propane (G)	C_3H_8	-42	technically pure, liquid	20 40 60 80 100 120 140	+	-	-	+	+	+ + +		-	+	+	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Propane (G)	$H_3C\text{-}CH_2\text{-}CH_3$		technically pure, gaseous	20 40 60 80 100 120 140	+ 	+ 	- 	+ 	+ 	+ + + 		- 	+ 	+ 	+ 	○
Propanol, n- and iso- (SpRB)	C_3H_7OH	97 bzw. 82	technically pure	20 40 60 80 100 120 140	+ ○ ○ 	- 	- 	+ + + 	+ + + 	+ + + ○ 		+ + 	+ + + 	+ ○ - 	+ + + 	+ ○ ○
Propargyl alcohol (SpRB)	$CH\check{c}C\text{-}CH_2\text{-}OH$	114	7%, aqueous	20 40 60 80 100 120 140	+ + + 	- 	- 	+ + + 	+ + + 	+ ○ ○ 		+ + 	+ + + 	+ + + 	+ + ○ 	+ + ○
Propionic acid (SpRB)	CH_3CH_2COOH	141	50%, aqueous	20 40 60 80 100 120 140	+ + ○ 	○ 	- 	+ + + 	+ + + 	+ + + 		+ + 	+ + ○ 	- 	○ - 	○ -
Propionic acid (SpRB)	$H_3C\text{-}CH_2\text{-}COOH$	141	technically pure	20 40 60 80 100 120 140	+ ○ 	○ 	- 	+ ○ ○ 	+ ○ ○ 	+ + + 		+ ○ 	+ + + ○ 	- 	- 	-
Propylene glycol (SpRB)	$C_3H_8O_2$	188	technically pure	20 40 60 80 100 120 140	+ + + 	- 	○ 	+ + + 	+ + + 	+ + + 		+ + 	+ + ○ 	+ ○ - 	+ + 	+ + +
Propylene oxide	C_3H_6O	35	technically pure	20 40 60 80 100 120 140	○ 	 	- 	+ 	+ 	+ ○ 		○ 	- 	- 	- 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Pyridine	C_5H_5N	115	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ O 	O O 	+ - 		O 	- 	- 	- 	-
Pyrogallol	$C_6H_3(OH)_3$		100%	20 40 60 80 100 120 140	 	 	 	 	 	+ + 		 	+ 	 	 	
Ramsit fabric waterproofing agents			usual commercial	20 40 60 80 100 120 140	+ + + 	 	 	+ 	+ 	+ + + 		+ 	+ 	+ 	+ 	+
Salicylic acid	$C_6H_4(OH)COOH$		saturated	20 40 60 80 100 120 140	+ + 	+ 	O 	+ + + 	+ + + 	+ + + + 		+ + + 	+ 	+ 	+ 	+
Salmiac				20 40 60 80 100 120 140	 	 	 	 	 	 		 	 	 	 	
Sea water				20 40 60 80 100 120 140	 	 	 	 	 	 		 	 	 	 	
Sea water	see Brine															
Silicic acid	$Si(OH)_4$			20 40 60 80 100 120 140	+ + + 	+ + + 	+ 	+ + + 	+ + + + 	 		+ + + 	 	 	 	

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Silicone oil				20	+	+	+	+	+	+		+	+	+	+	+
				40	O	+		+	+	+		+	+	+	+	+
				60	-			+	+	+		+	+	+	O	
				80					+	+						
				100						+						
				120												
				140												
Silver	AgCn		saturated	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80												
				100												
				120												
				140												
Silver salts	$AgNO_3$, AgCN, AgCl		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	O	+	+	+	+	+		+	+	+	+	+
				80		+			+	+						
				100						+						
				120												
				140												
Soap solution (SpRB)			all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	O	+		+	+	+		+	+	+	+	+
				80						+						
				100						+						
				120												
				140												
Sodium acetate	CH_3COONa		all, aqueous	20	+	+	+	+	+	+		+	-	+	+	O
				40	+	+		+	+	+		+		+	+	
				60	+	+		+	+	+		+				
				80		+			+	+						
				100					+	O						
				120												
				140												
Sodium aluminium sulfate				20	+			+	+							
				40	+			+	+							
				60	+			+	+							
				80					+							
				100												
				120												
				140												
Sodium arsenite	$Na_3\ AsO_3$		saturated	20	+	+		+	+			+				
				40	+	+		+	+			+				
				60	+	+		+	+			+				
				80		+			+							
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sodium benzoate	C_6H_5-COONa		cold saturated, aqueous	20 40 60 80 100 120 140	+ + O	+ + + +	-	+ + +	+ + +	+ + + + O		+ O	+ + + O	+ +	+ +	+ + O
Sodium bicarbonate	$NaHCO_3$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + +	+ + +	+ + +	+ + + +	+ + + + +		+ +	+ + + +	+ + +	+ + +	+ + +
Sodium bisulphate	$NaHSO_4$		10%, aqueous	20 40 60 80 100 120 140	+ + O	+ + +	+ + +	+ + +	+ + +	+ + + + + +		+ O	+ + + + +	+ O -	+ + O	+ +
Sodium bisulphite	$NaHSO_3$		all, aqueous	20 40 60 80 100 120 140	+ O -	+ + +		+ + +	+ + +	+ + + + +		+ O -	O -	O -	+ + O -	+ + + O
Sodium borate	Na_3BO_3		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +			+ + +	+ + +			
Sodium bromate	$NaBrO_3$		all, aqueous	20 40 60 80 100 120 140	+ O	+ +		+ O	+ O	+ + + + +		+	+ + +	+ O -	+ + O	+ + +
Sodium bromide	NaBr		all, aqueous	20 40 60 80 100 120 140	+ + O	+ + + +	+ + +	+ + +	+ + + +	+ + + + + +		+	+ + + +	+ O	+ + O	+ + O

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sodium carbonate	soda		cold saturated, aqueous													
Sodium chlorate (SpRB)	$NaClO_3$		all, aqueous	20	+	+	+	+	+	O			+	+	+	+
				40	+ +	+	+	+	+				+	O	+	+
				60	O	+	+	+	+			O +	+	-	O	+
				80		+						O	+		-	O
				100								-				
				120												
				140												
Sodium chloride	NaCl		all, aqueous	20	+	+	+	+	+	+		+	+			
				40	+	+	+	+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Sodium chlorite (SpRB)	$NaClO_2$		diluted, aqueous	20	O	+		+	+	+			+	-	O	+
				40		+		O	O	O			+		-	+
				60		+				O		+	+			+
				80		+										
				100												
				120												
				140												
Sodium chromate (SpRB)	Na_2CrO_4		diluted, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+		+	+			+	O	+	+
				60	O		+			+		+	+	-	O	O
				80						+						
				100						+						
				120												
				140												
Sodium cyanide	NaCN			20	+	+		+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+							
				100												
				120												
				140												
Sodium dichromate	$Na_2Cs_2O_7$			20	O	+		+	+			+	+			
				40		+		+				+	+			
				60		+							+			
				80		+										
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sodium disulphite	$Na_2S_2O_5$		all, aqueous	20 40 60 80 100 120 140	+ + O	+ + +		+	+	+ + + + +		+ +	+ + +	O - 	+ + +	+ + O
Sodium dithionite	hyposulphite		up to 10%, aqueous													
Sodium fluoride	NaF		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + +	+ + +	+	+	+ + + + +		+ +	+ + +	+ + O	+ + +	+ + +
Sodium hydrogencarbonate	$NaHCO_3$			20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + +		+ +	+			
Sodium hydrogensulfate	$NaHSO_4$			20 40 60 80 100 120 140	+ + +	+ + + +	+	+ + +	+ + + +	+ + + + +		+ + +	+ + +			
Sodium hydrogensulfite	$NaHSO_3$			20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + +		+ +	+			
Sodium hypochlorite (SpRB)	Bleaching lye		12,5% active chlorine, aqueous													
Sodium iodide	NaJ		all, aqueous	20 40 60 80 100 120 140	+ + O	+ + + +	+ + +	+	+	+ + + + +		+	+ + +	+ + O	+ + +	+ + O

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sodium nitrate	$NaNO_3$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+ +	+ + +	+ + + +	+ + + + + +		 +	+ + +	+ + +	+ + +	+ + +
Sodium nitrite	$NaNO_2$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	+ +	+ + +	+ + + +	+ + + + + +		+ 	+ + +	+ ○ -	+ + +	+ + +
Sodium oxalate	$Na_2C_2O_4$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ + +	+	+	+	+ + ○		 	+	+	+	+
Sodium perborate	$NaBO_3\ _4H_2O$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+	+	+ + +		+ 	+			
Sodium perchlorate	$NaClO_4$		saturated	20 40 60 80 100 120 140	+ + +	+ + + +		+	+			+ 	+			
Sodium persulphate (SpRB)	$Na_2S_2O_8$		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○			+ + +	+ + +	+ + +		+ + 	+ + + + +	-	+ + + ○	+ + + ○
Sodium phosphate	Na_3PO_4		cold saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ + + +	+	+ + +	+ + + + +	+ + + ○ -		+ + +	+ + +	+ + +	+ + +	+ + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sodium silicate	Na_2SiO_3		all, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+		+	+	○		+	+	+	+	+
				80					+	-						
				100												
				120												
				140												
Sodium sulfate				20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												
Sodium sulphate	Na_2SO_4		cold saturated, aqueous	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+			+	+	+	+
				60	○	+	+	+	+	+		○	+	+	+	+
				80					+	+			+			
				100						+						
				120						+						
				140												
Sodium sulphide	Na_2S		cold saturated, aqueous	20	+	+	+	+	+	○		+	+	+	-	+
				40	+	+	+	+	+	○		+		+		+
				60	○	+	+	+	+	○		+		+		+
				80		+			+							
				100												
				120												
				140												
Sodium sulphite	Na_2SO_3		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	○	+	+
				60	○	+		+	+	+		+	+	-	○	+
				80		+			+	+						
				100						+						
				120												
				140												
Sodium thiosulphate	$Na_2S_2O_3$		cold saturated, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40										○	+	+
				60										-	○	○
				80												
				100												
				120												
				140												
Sodiumtetraborate (Borax)	$Na_2B_4O_7$			20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+				
				60	+	+		+	+	+		+				
				80		+			+							
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Spinning bath acids containing carbon disulphide (SpRB)			100 mg CS2/l	20 40 60 80 100 120 140	+ +			+	+	+ +			+	-	-	O
Spinning bath acids containing carbon disulphide (SpRB)			200 mg CS2/l	20 40 60 80 100 120 140	O			+	+	+ +		-	+	-	-	-
Spinning bath acids containing carbon disulphide (SpRB)			700 mg CS2/l	20 40 60 80 100 120 140	-			+	+	+ +		-	+	-	-	-
Stannous chloride	Tin II chloride		cold saturated, aqueous													
Stannous chloride - Tin IV chloride	$SnCl_4$		cold saturated, aqueous	20 40 60 80 100 120 140				+ + +	+ + + +							
Starch solution	$(C_6H_{10}O_5)n$		all, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	+ +	+ + +	+ + +	+ + + + +		+ +	+ + +	+ + +	+ + +	+ + +
Starch syrup	$(C_6H_{10}O_5)n$		usual commercial	20 40 60 80 100 120 140	+ + +	+ + + +	+ +	+ + +	+ + + +	+ + + + +		+ + + +	+ + + +	+ + + +	+ + + +	+ + + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Stearic acid (SpRB)	$C_{17}H_{35}COOH$	Fp.*, 69	technically pure	20	+	○	+	+	+	+			+	+	+	○
				40	+		+			+		+	+	+	+	○
				60	+			○	○	+		○	○	○	○	-
				80						+						
				100						+						
				120						+						
				140												
Styrene	H_5C_6-CH=CH_2			20	-	-	-			+			+			
				40												
				60												
				80												
				100												
				120												
				140												
Succinic acid	HOOC-CH_2-CH_2-COOH	Fp*., 185	aqueous, all	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	+	+	+
				60	+	+		+	+	+		+	+	+	+	+
				80									+			
				100												
				120												
				140												
Sugar syrup			usual commercial	20	+	+	+	+	+	+			+	+	+	+
				40	+	+	○	+	+	+		+	+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80					+	+		+	+			+
				100					+	+						
				120						+						
				140												
Sulfur	S	Fp.*, 119	technically pure	20	○	○	-	+	+	+		+	+	-	+	+
				40	-			+	+	+			+			+
				60				+	+	+			+			+
				80					+	+			+			+
				100						+						
				120						+						
				140												
Sulfur dioxide (G)	SO_2	-10	technically pure, anhydrous	20	+	+	-	+	+	○		+	+	-	-	○
				40	+	+		+	+	○		○	○			-
				60	+	+		+	+	-		-				
				80												
				100												
				120												
				140												
Sulfur dioxide (G)	SO_2		all, moist	20	+	+	-	+	+	+		+	+	-	-	○
				40	+	+		+	+	○		○	○			-
				60	○			+	+	-		-	-			
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sulfur dioxide (G)	SO_2		technically pure, moist	20 40 60 80 100 120 140	- 	- 	- 	- 	- 	- 		- 	○ 	- 	- 	○
Sulfur trioxide (G)	SO_3			20 40 60 80 100 120 140	- 	- 	- 	- 	- 	- 		- 	- 	- 	- 	-
Sulfuric acid saturated by Chlorine	$H_2SO_4+Cl_2$		60%	20 40 60 80 100 120 140	 	 	 	 	 	+ + + + + 		 	 	 	 	
Sulfuric acid (see note 2.3.1 on jointing)	H_2SO_4	120	up to 40%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + + 	+ ○ 	+ + + 	+ + + 	+ + + + + + 		 + + ○ - 	+ + + ○ - 	○ - 	+ ○ 	+ + ○ ○ -
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4	140	up to 60%, aqueous	20 40 60 80 100 120 140	+ + + 	+ + + + 	- 	+ + + 	+ ○ - 	+ + + + + + 		+ + ○ - 	+ + + ○ 	- 	- 	+ ○ ○ -
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4		96%, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ + + 	- 	- 	- 	+ + - 		- 	+ + 	- 	- 	-
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4		97%	20 40 60 80 100 120 140	+ 	+ + 	- 	- 	- 	○ 		- 	+ 	- 	- 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4	250	90%, aqueous	20 40 60 80 100 120 140	+ +	+ + +	-	○	○	+ + + + + ○ ○		-	+ +	-	-	-
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4	195	up to 80%, aqueous	20 40 60 80 100 120 140	+ + +	+ + + +	-	+ + ○	+ + ○	+ + + + + ○		○ ○ -	+ + ○ -	-	-	+ ○ -
Sulfuric acid (see note 2.3.1 on jointing) (SpRB)	H_2SO_4	340	98%	20 40 60 80 100 120 140	+ ○	+ + ○	-	-	-	-		-	○	-	-	-
Sulfurous acid	H_2SO_3		saturated, aqueous	20 40 60 80 100 120 140	+ + ○	+ +	○ +	+ + +	+ + +	+ + + + +		+ -	+ + ○ -	-	-	○ ○ -
Sulfuryl chloride	SO_2Cl_2	69	technically pure	20 40 60 80 100 120 140	-	-	-	-	-	○			+	-	○	+
Surfactants (SpRB)			up to 5%, aqueous	20 40 60 80 100 120 140	○ ○ ○	-	-	+	+ ○ ○	+ ○ ○ ○		+	+	+	+	+
Tallow (SpRB)			technically pure	20 40 60 80 100 120 140	+ + +	-	-	+ + +	+ + +	+ + + + +		+ +	+ + +	+ + +	+ + +	+ + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Tannic acid (SpRB)			all, aqueous	20 40 60 80 100 120 140	+ 	+ + + 	+ + 	+ + + 	+ + + 	 		 	+ 	+ 	+ 	+
Tanning extracts form plants (SpRB)			usual commercial	20 40 60 80 100 120 140	+ 	+ + 	+ + 	+ 	+ 	+ 		+ 	+ 	+ 	+ 	+
Tartaric acid	HO_2C-CH(OH)-CH(OH)-CO_2H		all, aqueous	20 40 60 80 100 120 140	+ + ○ 	+ 	+ + 	+ + + 	+ + + 	+ + + + + + 		+ + + 	+ + + 	+ + ○ 	+ + + 	+ + +
Tetrachlorethylene see Perchloroethylene	Cl_2C-CCl_2	121		20 40 60 80 100 120 140	-	-	-	-	-	+		-	+			
Tetrachloroethane	Cl_2CH-$CHCl_2$	146	technically pure	20 40 60 80 100 120 140	-	-	-	○	○	+ + ○ 		-	○	-	-	-
Tetraetylene lead (SpRB)	$(C_2H_5)_4Pb$		technically pure	20 40 60 80 100 120 140	+	+	-	+	+	+ + + + + + 		○	+	+	○	+
Tetrahydrofurane	C_4H_8O	66	technically pure	20 40 60 80 100 120 140	-	-	-	○	○	-		○	-	-	-	-
Tetrahydronaphthalene	Teralin	207	technically pure													

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Thionyl chloride	$SOCl_2$	79	technically pure	20 40 60 80 100 120 140	- 	- 	- 	- 	- 	- 		○ 	+ 	- 	- 	-
Tin (IV) -chloride				20 40 60 80 100 120 140	+ + + 	+ + + + 	 	 	 	+ + + + + 		+ + + 	+ + + + 	 	 	
Tin-(III)-chloride	$SnCl_2$			20 40 60 80 100 120 140	 	 	 	+ + + 	+ + + + 	 		 	 	 	 	
Toluene	C_6H_5-CH_3	111	technically pure	20 40 60 80 100 120 140	- 	- 	- 	○ 	○ 	+ 		- 	+ 	- 	- 	-
Triacetin (Glycerol acetate) (Glycerintriacetat)	$CaH_{14}O_6$			20 40 60 80 100 120 140	- 	- 	- 	+ 	+ 	+ + 		+ 	 	 	 	
Tributyl phosphate	$(C_4H_9)_3PO_4$	289	technically pure	20 40 60 80 100 120 140	- 	- 	- 	+ + + 	+ + + 	+ 		+ 	- 	- 	- 	-
Trichloroacetic acid	Cl_3C-COOH	196	technically pure	20 40 60 80 100 120 140	○ 	- 	- 	+ ○ - 	+ + ○ 	○ 		○ 	- 	- 	- 	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Trichloroacetic acid	Cl_3-C-COOH		50%, aqueous	20 40 60 80 100 120 140	+ ○	-	-	+ + +	+ + ○	+ + ○ -		○	-	-	-	-
Trichloroethane	Methylchloroform	74	technically pure													
Trichloroethylene	Cl_2C=CHCl	87	technically pure	20 40 60 80 100 120 140	-	-	-	-	○	+ + + ○		-	+	-	-	-
Trichloromethane	Chloroform	61	100%													
Tricresyl phosphate (SpRB)	H_3C-C_6H_5-O)$_3PO_4$		technically pure	20 40 60 80 100 120 140	-	-	-	+ + +	+ ○			+	-	○ -	-	-
Triethanolamine (SpRB)	N(CH_2-CH_2-OH)$_3$	m.p. *21	technically pure	20 40 60 80 100 120 140	○	-	-	+	+	+ +		○	-	○	-	-
Triethylamine (SpRB)	N(CH_2-CH_3)$_3$	89	technically pure	20 40 60 80 100 120 140	-	-	-	+	+	○ -		-	-	-	-	-
Trifluoro acetic acid (SpRB)	F_3C-COOH		up to 50%	20 40 60 80 100 120 140	-	-	-	+	+	+ ○		○	-	-	-	-

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Trioctyl phosphate (SpRB)	$(C_8H_{17})_3\ PO_4$		technically pure	20	-	-	-	+	+	○		+	-	○	-	-
				40				+	○							
				60												
				80												
				100												
				120												
				140												
Turpentine oil (SpRB)			technically pure	20	+	-	-	○	-	+		-	+	○	-	-
				40	○			○					+			
				60									+			
				80												
				100												
				120												
				140												
Urea (SpRB)	$H_2N\text{-}CO\text{-}NH_2$	Fp.*, 133	up to 30%, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80		○				+						
				100						○						
				120												
				140												
Urine				20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+		+	+	+		+	+	+	+	+
				80						+						
				100						+						
				120												
				140												
Vaseline			technically pure	20	○	○	-	+	○	+		-	+	+	-	-
				40	-					+			+	+		
				60				-	-	+			+	+		
				80						+			+	+		
				100						+			+	+		
				120						+			+			
				140												
Vaseline oil see paraffin oil				20												
				40												
				60												
				80												
				100												
				120												
				140												
Vegetable oils				20	○	-	-	+	+	+		-	+	+	○	○
				40						+						
				60						+						
				80												
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Vegetable oils and fats (SpRB)				20 40 60 80 100 120 140	+ ○	○	-	○ + ○	+ + ○	+ + + + +		-	+ + +	+ + +	○ ○ - -	○ ○ -
Vinegar				20 40 60 80 100 120 140												
Vinyl acetate	CH_2=CHOOCCH$_3$	73	technically pure	20 40 60 80 100 120 140	-	-	-	+ +	+ ○	+ -		+	-	-	-	-
Vinyl chloride (G)	CH_2=CHCl	-14	technically pure	20 40 60 80 100 120 140	-	-	-	-	-	+ +		-	+	-	-	
Viscose spinning solution				20 40 60 80 100 120 140	+ + +	-	-	+ + +	+ + +	+ + +		+ +	+ + +	-	○ ○ - -	+ + +
Waste gases containing - Alkaline				20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ ○ -		+ + + +	+ + + ○ -	+ + +	+ + +	+ + ○ -
Waste gases containing - Carbon oxides			all	20 40 60 80 100 120 140	+ + +	+ + + +		+ + +	+ + + +	+ + + + + +		+ + + +	+ + + + +	+ + +	+ + +	+ + + +

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Waste gases containing - Hydrochloric acid			all	20	+	+		+	+	+		+	+	O	+	+
				40	+	+		+	+	+		+	+	-	+	+
				60	+	+		+	O	+		+	+		+	+
				80		+				+		O	+			+
				100						+			+			
				120						+						
				140												
Waste gases containing - Hydrogen fluoride (SpRB)			traces	20	+	+		+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	O	+	+
				60	+	+		+	+	+		O	+	-	O	+
				80		+				+			+			
				100						+						
				120												
				140												
Waste gases containing - Nitrous gases			traces	20	+	+		+	+	+		+	+	O	+	+
				40	+	+		+	+	+		+	+	-	+	+
				60	+	+		+	O	+		+	+		O	+
				80		+				+		O	+			O
				100						+			O			
				120												
				140												
Waste gases containing - Sulphur dioxide			traces	20	+	+		+	+	+		+	+	O	+	+
				40	+	+		+	+	+		+	+	-	+	+
				60	+	+		+	+	+		+	+		+	+
				80		+			+	+		+	+			+
				100						+			+			
				120						+						
				140												
Waste gases containing - Sulphur trioxide (SpRB)			traces	20	+	+		+	+	+		+	+	O	+	+
				40	+	+		+	+	+		+	+	-	+	+
				60	+	+		+	O	+		+	+		+	+
				80		+				+		O	+			
				100						+						
				120												
				140												
Waste gases containing - Sulphuric acid			all	20	+	+		+	+	+		+	+	O	+	+
				40	+	+		+	+	+		+	+	-	+	+
				60	+	+		+	+	+		+	+		+	+
				80		+			O	+		O	+			+
				100						+			+			
				120						+						
				140												
Water - distilled - deionised	H_2O	100		20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		O	+	+	+	+
				80		+			+	+		-	+	+		+
				100					+	+			+	+		
				120						+			+			
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Water, condensed				20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	○	+	+	+	+	+		○	+	+	+	+
				80		+			+	+			+	○		+
				100						+						
				120						+						
				140												
Water, drinking, chlorinated				20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60	+	+	+	+	+	+		○	+	+	+	+
				80					+	+			+	○		+
				100					+	+			+			
				120						+						
				140												
Water, waste water without organic solvent and surfactants				20	+	+	+	+	+	+			+	+	+	+
				40	+	+	+	+	+	+		+	+	+	+	+
				60		+	+	+	+	+		○	+	+	+	+
				80		+			+	+			+	+		+
				100						+				○		
				120						+						
				140												
Wax alcohol (SpRB)	$C_{31}H_{63}OH$		technically pure	20	+	○	-	○	○	+		+	+	+	+	-
				40	+			-	-	+		+	+	+	+	
				60	+					+		+	+	+	+	
				80												
				100												
				120												
				140												
Wine vinegar (SpRB)			usual commercial	20	+	○	○	+	+	+		+	○	-	○	+
				40	+			+	+	+			-		-	○
				60	+			+	+	+						-
				80					+	+						
				100						+						
				120												
				140												
Wines, red and white			usual commercial	20	+	○	+	+	+	+		+	+	+	+	+
				40			+	+	+	+						
				60				+	+	+						
				80						+						
				100						+						
				120												
				140												
Xylene	$C_6H_4(CH_3)_2$	138-144	technically pure	20	-	-	-	-	-	+		-	+	-	-	-
				40						+			○			
				60						○			-			
				80						-						
				100												
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
yeasts			all, aqueous	20	+	+	+	+	+	+		+	+	+	+	+
				40	+	+		+	+	+		+	+	+	+	+
				60		+		+	+	+						
				80		+				+						
				100												
				120												
				140												
Zinc nitrate	$Zn(NO_3)_2$		saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+			+			
				100						+						
				120												
				140												
Zinc salts	$ZnCl_2$,		all, aqueous	20	+	+	+	+	+	+			+	+	+	+
	$ZnCO_3$,			40	+	+	+	+	+	+		+	+	○	+	+
	$Zn(NO_3)_2$,			60	○	+		+	+	+		+	+	-	+	+
	$ZnSO_4$			80						+						
				100						+						
				120						+						
				140												
Zincchloride			saturated	20	+	+	+	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+			+			
				100						+						
				120												
				140												
Zincoxide	ZnO		suspension	20												
				40												
				60												
				80												
				100												
				120												
				140												
Zincstearate	$Zn(C_{17}H_{35}\text{-}COO)_2$		suspension	20	-	-	-	+	+	+		+	○			
				40				+	+	+		+				
				60				+	+	+		+				
				80					+	+						
				100						+						
				120												
				140												
Zincsulfate	$ZnSO_4$			20	+	+		+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+		+	+			
				100						+			+			
				120												
				140												

Aggressive Media					Chemical Resistance											
Medium	Formula	Boiling point	Concentration	Temperatur °C	PVC-U	PVC-C	ABS	PE	PP-H	PVDF		EPDM	FPM	NBR	CR	CSM
Zinkphosphat	$Zn_3(PO_4)_2$		saturated	20	+	+	O	+	+	+		+	+			
				40	+	+		+	+	+		+	+			
				60	+	+		+	+	+		+	+			
				80		+			+	+			+			
				100						+						
				120												
				140												
1-Chloropentan	$C_5H_{11}Cl$			20	-	-	-									
				40												
				60												
				80												
				100												
				120												
				140												
1,1,2-Trifluoro, 1,2,2-Trichloroethane (Freon 113) (SpRB)	$FCl_2C\text{-}CClF_2$	47	technically pure	20	+		-			+			+	+	+	+
				40	+											
				60												
				80												
				100												
				120												
				140												