Chemical Resistance

Substance Inorganic chemicals	Concentration (%)	Temperature up to ...°C	PVC: JZ-500/ 600/ 750, JB, OZ-BL, JZ-HF, PVC-Flach, TRONIC (LiYY), SUPERTRONIC-PVC	PVC: JZ-603, JZ 603-CY, Li-TPC-Y, PAAR-CY-OZ, N05VV5-F, CEI 20 – 22	PVC: NYSLY, NYSLYCY, NLSY, NLSCY, NSY, NSYCY, H05VV5-F, H05VVC4V5-K	PVC: MULTIFLEX-Plus, LiflY, Trago, Lift-2S, BAUFLEX BUS-cables-PVC, DAT-cables-PVC	PVC: JZ-602, JZ-602-CY, TRONIC-CY, LiYCY, JZ-602 RC, PAAR-TRONIC-CY, SY-JZ, SY-JB, JZ-602 RC-CY	PVC: F-CY-JZ, Y-CY-JZ, JZ-HF-CY, J-Y(StI)Y, J-YY, JE-Y(StI)Y, S-YY, S-Y(StI)Y, TOPFLEX-PVC	PVC: ESUY, LiflY, PVC-Single cores, EDV-PiMF-CY ESY, LiFDY, TUBEFLEX/-CY	PVC: H 05 V-K, H 07 V-K, H 03 VV-F, H 05 VV-F	PVC: THERM 120, THERM 105, H05V2-K, H07V2-K	PE: Coaxial-cable (PE), L2-BUS-cable (PE) A-2Y(L)2Y, A-2YF(L)2Y, HELUCOM® . . . 2Y	PUR: PUR-JZ, PUR-JZ-HF, TOPFLEX-PUR, ROBOFLEX, SUPERTRONIC-PUR, MULTIFLEX-PUR, TOPSERV®	H: J-H(StI)H, Security Cable..E30/E90, HELUCOM®-H JZ-500-HMH/-HXMHX, N2XH, H07Z-K, RG-H	Silicone: SiHF, SiHF/GL-P, SiF, SiD, SiFF, SiF/GL, SiD/GL, SiHF-C-Si, FZ-LS, FZ-LSi, N2GMH2G	Neoprene Rubber: Neoprene-Round/Flat, NSHTÖU, AIRPORT 400 Hz H01N2-D/E, H 05/H 07-, A 05/A 07 RN-F	HELU-FLON: FEP-6Y, PTFE-5Y, Compensating cables-FEP
Alums	colts.	20	●	●	●	●	●	●	●	●	●		○	◑	○	●	●
Aluminium salts	each	20	●	●	●	●	●	●	●	●	●			◑			●
Ammonia, wat.	10	20	●	●	●	●	●	●	●	●	●		●	○	●	●	●
Ammonium acetate, wat.	each	20	●	●	●	●	●	●	●	●	●				●		●
Ammonium carbonate, wat.	each	20	●	●	●	●	●	●	●	●	●		○			●	●
Ammonium chloride, wat.	each	20	●	●	●	●	●	●	●	●	●		●			●	●
Barium salts	each	20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Boric acid	100	20	●	●	●	●	●	●	●	●	●	●	◑	◑	●	●	●
Calcium chloride, wat.	colts.	20	●	●	●	●	●	●	●	●	●	●	◑	◑		●	●
Calcium chloride, wat.	10 – 40	20											●				
Calcium nitrate, wat.	colts.	20	●	●	●	●	●	●	●	●	●	●		◑		●	●
Chromium salts, wat.	colts.	20	●	●	●	●	●	●	●	●	●						●
Potassium carbonate, wat.		20	●	●	●	●	●	●	●	●	●	●			●	●	●
Potassium chlorate, wat.	colts.	20	●	●	●	●	●	●	●	●	●	◑		◑		●	●
Potassium chloride, wat.	colts.	20	●	●	●	●	●	●	●	●	●	●	○		●		●
Potassium dicromate, wat.		20	●	●	●	●	●	●	●	●	●				●	●	●
Potassium iodie, wat.		20	●	●	●	●	●	●	●	●	●	●		◑	●	●	●
Potassium nitrate, wat.	colds.	20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Potassium permanganate, wat.		20	◑	◑	◑	◑	◑	◑	◑	◑	◑	●	○			●	●
Potassium sulphate, wat.		20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Copper salts	colds.	20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Megnesium salts	colds.	20	●	●	●	●	●	●	●	●	●	●	◑	◑			●
Sodium bicarbonate (Natron), wat.		20	●	●	●	●	●	●	●	●	●		◑		●	●	●
Sodium bisulphite (Soda), wat.		20	●	●	●	●	●	●	●	●	●	●	○		●	●	●
Sodium chloride (Cook salt), wat.		20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Sodium thiosulfat, wat.		20	●	●	●	●	●	●	●	●	●	●	◑		●	●	●
Soda Lye	50	50	●	●	●	●	●	●	●	●	●						●
Nickel salts, wat.	colds.	20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Nitrobenzene	100	50	○	○	○	○	○	○	○	○	○		○				
Phosphoric acid	50	20	●	●	●	●	●	●	●	●	●	●	○		◑		●
Mercury	100	20	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Mercury salts	colds.	20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Nitric acid	30	20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●
Hydrochlorid acid	conc.	20	○	○	○	○	○	○	○	○	○	●	○	○	○	○	●
Sulfur dioxide		20	●	●	●	●	●	●	●	●	●	◑	○		○	○	●
Carbon disulfide		20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●
Sulfuric acid	50	50	●	●	●	●	●	●	●	●	●						●
Hydrogen sulfide		20	●	●	●	●	●	●	●	●	●	●				●	●
Sea water		20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Silver salts, wat.		20	●	●	●	●	●	●	●	●	●	●	●	◑	●	●	●
Cleaning fluid lye	2	100	○	○	○	○	○	○	○	○	○		○		○		
Water (dest.)		20	●	●	●	●	●	●	●	●	●						
Hydrogen peroxide, wat.		20	●	●	●	●	●	●	●	●	●		◑		●	●	●
Zinc salts, wat.		20	●	●	●	●	●	●	●	●	●		○	◑		●	●
Stannous chloride		20	●	●	●	●	●	●	●	●	●			◑	●	●	●

● resistant
◑ conditionally resistant
○ not resistant
* **for individual case, please verify**

each = each concentration
colds. = cold saturated
wat. = watery, liquid

The information mentioned in this summary is given to the best of our own knowledge and based upon our long standing experience. But we would like to direct your attention to the fact, that the information is given without obligation. A final judgement can only be made in practice.