

Technical Data - Cable

Chemical Resistance

Substance	Concentr. %	Temp. °C	PVC	SABIX® on basis of PP	SABIX® FRNC on basis of PO	PUR	PE	Besilen®	FEP	PFA	ETFE
Acetone	–	20	–	+	–	–	+	o	+	+	+
Alum	–	20	+	+	n.e.	+	+	–	+	+	+
Ammonia	25	20	+	+	n.e.	o	+	+	+	+	+
Aniline	–	50	–	+	–	–	+	+	+	+	+
Benzene	–	20	–	–	o	+	–	o	+	+	+
Benzol	100	50	–	+	–	–	–	–	+	+	+
Boric acid	sat.	20	+	+	n.e.	+	+	+	+	+	+
Break fluid	–	100	o	o	–	–	n.e.	+	+	+	+
Butter	–	50	+	o	o	o	+	+	+	+	+
Carbon tetrachloride	100	20	+	–	–	–	–	–	+	+	+
Caustic soda	50	50	+	+	o	+	+	–	+	+	+
Chlorobenzene	–	30	–	n.e.	–	–	o	–	+	+	+
Citric acid	–	20	+	+	+	o	+	+	+	+	+
Copper salt	–	20	+	+	+	+	+	+	+	+	+
Distilled water	–	100	o	+	o	o	+	–	+	+	+
Distilled water	–	20	+	+	+	+	+	+	+	+	+
Detergent lye	2	100	–	+	o	–	n.e.	–	+	+	+
Dichloromethane	100	20	–	n.e.	–	–	+	–	+	+	+
Dichlorodifluoromethane	–	20	–	n.e.	o	+	o	–	+	+	+
Diethyl ether	–	20	o	+	o	+	+	–	+	+	+
Diethylene glycol	–	50	+	+	o	+	+	+	+	+	+
Ethylene chloride	–	50	–	n.e.	–	–	+	o	+	+	+
Ethylene glycol	–	100	o	+	–	–	n.e.	+	+	+	+
Gear oil	–	100	+	o	–	o	–	o	+	+	+
Glycerine	all	50	+	+	o	+	+	+	+	+	+
Hydraulic oil	–	20	+	+	+	+	–	–	+	+	+
Hydrochloric acid	concentr.	20	–	+	+	–	+	–	+	+	+
Machine oil	–	20	–	o	+	+	–	+	+	+	+
Mercury salt	–	20	–	+	+	–	+	+	+	+	+
Methanol	–	50	+	+	o	–	+	+	+	+	+
Motor oil	–	120	–	o	–	–	–	+	+	+	+
Nitrobenzene	100	50	–	+	–	–	+	+	+	+	+
Nitric acid	–	20	–	+	+	–	+	–	+	+	+
Olive oil	–	50	+	+	–	+	+	+	+	+	+
Phenol from tar (Tectal)	–	20	+	+	o	–	n.e.	–	+	+	+
Potassium chloride	sat.	20	+	+	+	n.e.	+	+	+	n.e.	n.e.
Potassium nitrate	–	20	+	+	+	o	+	+	+	+	+
Pure acetic acid	concentr.	50	–	+	–	–	+	+	n.e.	n.e.	n.e.
Silver salts	–	20	+	+	+	+	+	+	+	+	+
Sodium chloride	50	20	+	+	+	+	+	+	+	+	+
Sulphuric acid	50	50	+	+	–	–	+	–	+	+	+
Tartaric acid	sat.	20	+	+	+	n.e.	+	+	+	+	+
Trichlorethylene	100	50	–	–	–	–	–	+	+	+	+

Reference:

This information is the result of our many years of experience and has been compiled to the best of our knowledge. However, we would like to point out that they are not binding and a final assessment can only be made under normal working conditions.

- = poor resistance
- o = average resistance
- +
- n.e. = not existing