

Technical characteristics

Chemical resistance

Substance	Con- centr. %	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	–	+	+	–	+	+	+	+	+
Benzine		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.	+	+	+	+
Dichlormethane	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	–	+	–	+	+	+	+
Nitric acid		20	–	+	+	–	+	–	+	+	+
Nitrobenzene	100	50	–	+	–	–	+	+	+	+	+
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
+ = good resistance
n.e. = not existing