Chemical Resistance GEHR ECTFE



2-Hydroxypropionic acid Acetic acid Acetone Ammonia Ammonia Ammonia Ammonium chloride Amyl alcohol Apple juice Benzene Bleaching solution Brake fluid Butyl acetate Calcium chloride Carbon disulphide Carbon tetrachloride Chlorine, gas Chlorobenzene Chloroform Citric acid Cresol Cyclohexanone Cyclohexene Diesel fuel Diethylene oxide, THF Ethyl acetate Ethyl alcohol Ethylene chloride 10 10 10 10 10 11 11 11 11 11 11 11 11	10 10 10 10 10 10 10 10 10 11 15 10 10 10 10 10 10 10 10 10 10	+ + + + + + + + + + + + + + + + + + +
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Ethylene chloride 19 Food oil	6	
Food oil	00 +	+ +
Formaldehyde, aqu 4		+ +
	.0 н	+ +
Formic acid 1		+ +
Frost protection agent	11 11 4	+ +
Fuel, aromatic free		
	00 +	
•	00 +	+ +
Heating oil		+ +
	00	
•		+ +
		+ +
•		+ +
-		+ +
Hydrogen sulphide		+ +
	00	-
Linseed oil		+ +
Mercurochrome	-	
	00	•
Methyl ethyl ketone		

DokNr.	Name	Erstelldatum/Geändert am	Erstellt von	Seite
ECTFE_engl	Chem-Best	11.12.2007	QM	1 von 2

Chemical Resistance GEHR ECTFE



	conc. (%)	room temperature	60 °C
Methylene chloride	100	+	0
Milk		+	+
Mineral oils, aromatic free		+	+
Nitric acid	10	+	+
Nitric acid	50	+	+
Nitrobenzene			
Oxalic acid		+	+
Ozone, gas	ca. 0,5 ppm	+	+
Paraffine oil	100	+	+
Perchloroethylene			
Petroleum ether	100		
Petroleum, aromatic free	100		
Phenol, aqu	ca. 9	+	+
Phosphoric acid	50	+	+
Potassium hydroxide liquor	50		
Premium Fuel		+	+
Propyl alcohol			
Pyridine	14 14	-	
Silicone oil	The Table	+	+
Sodium carbonate, aqu		+	+
Sodium chloride, aqu		+	+
Sodium hydroxide liquor	15		
Sodium hydroxide liquor	60		
Sodium hyrogen sulphite		+	+
Sodium nitrate, aqu		+	+
Sodium thiosulfate		+	+
Sulphuric acid	96	+	
Tetrahydrofurane	100		-
Toluene	100	+	+
Transformer oil		+	+
Trichloroethylene	100	+	+
Vinegar, standard	5-10	+	+
Water			
Xylene		+	+

Symbolism for the description of the chemical resistance

+ = resistant (only small changes of the weight, dimensions and properties.

According our experiences there is no permanent damage expect).

o = partly resistant (medium changes of the properties. At longer contact time there are

permanent damages recommended e.g. degradation of the macro

molecular structure).

- = non resistant (strong and permanent degradation in short contact time e.g. stress

cracking).

= not tested (no tests were done, no recommendations are possible).

The figures indicated here are approximate values. They may be affected by the temperature, operating time, concentration and stress level of the component involved, by mechanical loads, etc., and the user is not released therefore from the obligation of performing checks and trials of his own. The values indicated here have been compiled on the bases of current experiences and findings. Any legally binding guarantee of certain properties, or any suitability for a specific application cannot be inferred from the present data.

DokNr.	Name	Erstelldatum/Geändert am	Erstellt von	Seite
ECTFE_engl	Chem-Best	11.12.2007	QM	2 von 2