

Resistance to environmental influences

Chemistry	Material				
	Concentration	Rubber	Polyamide	Polyurethane	Polypropylene
Wastewater			++	+	
Acetaldehyde	40 %	+	+	=	+
Acetone		++	++	=	+
Acetylene		++	++	++	
Acrylic acid > 30° C			=	=	
Ethanolamine				=	
Ether			++	++	
Ethyl acetate		+	++	=	
Ethyl alcohol		++	+	++	++
Ethylene				++	
Caustic potash				=	
Caustic soda				=	
Alkylbenzenes			++		
Alkyl alcohol		++	+	=	
Aluminium acetate		++			
Formic acid	10 %	+	=	=	++ 2)
Amine, aliphatic			++		
Amino acid mixtures			++		
Liquid ammonia	20 %	++	++	=	++
Ammonium salts			++	=	++
Ammonium bicarbonate			++		
Ammonium rhodanide			++		
Ammonium hydroxide				=	
Ammonium carbonate		++		=	
Ammonium nitrate		+		++	++
Ammonium sulphate		+		++	++
Amyl acetate		++	++	=	++
Amyl alcohol		++	++	+	++
Aniline		=	+	=	++
Anthraquinone, 85% C			++		
Malic acid			++	+	++2)
Barium salts		++	+	++	++
Cottonseed oil				++	
Gasoline, petroleum ether		=	++	++	=
Beer		++	++	++	
Bitumen		=	++	++	
Lead acetate, aqueous	10 %	+	++	++	=
Lead nitrate		++		++	
Borax		++		++	
Boric acid, aqueous	10 %	++	+	++	+
Bromine		=	=	=	=
Butter		=	++	++	
Butane		=	++	++	
Carbolineum		=	++	=	
Casein			++		
Chlorine, chlorinated water		=	=	=	=
Citric acid, aqueous	10 %	++	++		
Citrus oils			++		
Chromic acid, aqueous	10 %	=	+	+	=
Cobalt salts, aqueous	20 %		+		
Cyclohexanol		+	++	+	
Diethylene glycol		++	++	++	
Dichlorobenzene		=	++	=	=
Butylene dichloride		=		=	
Dimethyl ether		+	++	++	++
Dimethyl aniline					
Dimethylformamide		+	++	=	++1)
Noble gases			++		
Glacial acetic acid		+		=	++
Nickel salts, aqueous	10 %		+	++	
Nickel sulphate, aqueous	10 %	+	+	++	
Oleic acid		=	++	++	
Oxalic acid, aqueous	10 %		+		++
Ozone		=	+	++	
Palmitic acid		=	++	=	
Paraffin		=	++	=	
Vegetable oils		=	++	++	
Phenylethyl ether		=		++	
Phenyl benzene		=		=	
Phosphoric acid, aqueous	10 %	+	=		++
Propane		=	++	++	
Propyl alcohol				+	
Mercury chloride			=	++	++
Flue gas				=	
Castor oil				++	
Hydrochloric acid, aqueous	30 %	+	=	=	++
Sulphurous acid		+	+	=	++
Mustard				++	
Silver nitrate		+		++	++
Soda solution, aqueous	10 %	++	++		

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Ferric chloride, acidic	10 %	+	=	+	++1)
Iron sulphate				++	
Descaler, aqueous	10 %		++		
Oil		=	++	++	
Acetic acid	30 %	=	++	=	++
Fatty acids			++	++	
Spruce needle oil		=		++	
Fluorine		=	=	=	=
Formaldehyde	30 %	++	++	+	++
Formamide, pure		++	++	+	
Furfural			++	=	
Gelatine				++	
Glucose		++		++	
Glycerine		++	++	++	++
Glycol		++	+	+	++
Uric acid, aqueous	10 %	++	++		
Hexane		=	++	++	
Hydraulic fluids		=	++	=	
Isopropyl chloride		=		=	
Isopropyl ether		++		++	
Iodine tincture		++	=	=	++
Potassium chloride	10 %	+	++	++	++1)
Potassium cyanide				+	
Potassium hydroxide			++	=	++
Potassium sulphate		++		++	++
Calcium salts				+	++
Aqua regia		=	=	=	=
Carbon monoxide, hot			++	=	
Carbonic acid				++	
Coconut oil		=	++	++	
Cresol			=	++	
Copper chloride		++		++	
Copper salts, aqueous	10 %		=	++	
Copper sulphate		+	+	++	++
Glue				++	
Manganese salts	10 %		+		
Magnesium salts, aqueous	10 %		++	++	++
Methyl alcohol		+	+	++	++
Methylene chloride		=	=	=	
Methyl ethyl ketone		=	++	=	++
Methylpyrrolidone				=	
Milk		++	++	++	
Lactic acids		=	=	=	++
Mineral oils		=	++	++	
Mortar, cement, lime		++	++		
Monobromobenzene				=	
Naphthalene		=	++	=	++3)
Sodium carbonate, aqueous	10 %		++	=	++
Sodium chloride, aqueous	10 %	+	=	++	++1)
Sodium cyanide, aqueous	10 %		++	=	
Sodium hydroxide, aqueous				=	++
Sodium nitrate, aqueous	10 %	++	++	++	++
Sodium phosphate, aqueous	10 %	++	++	++	++
Sodium silicate, aqueous	10 %	++	++	+	
Sodium sulphate, aqueous	10 %	++	++	++	
Sodium sulphide, aqueous	10 %	+	++	+	
Sodium thiosulfate	10 %	++	++	+	
Sodium hydroxide	50 %	++	+	=	++
Nickel chloride, aqueous	10 %	++	+	++	
Stearic acid		=	++	=	
Road salt (solutions)			++		
Tannic acid	10 %	++			
Turpentine oil		=	++	+	=
Carbon tetrachloride		=	++	=	
Ink, Indian ink		++	++	++	
Toluol		=	++	=	=
Trichlorethylene		=	+	=	=
Uranium fluoride			=		
Urine		++	++		
Vaseline			++	=	++2)
Vinyl chloride, 80°C			++		
Wax, 80°C			++		
Washing lye, 80 ° C		++	++		
Water, cold		++	++	++	
Water, up to 80°C		+	++	=	
Water (sea water)		++	++	+	
Tartaric acid, aqueous	10 %	++	++	+	
Xylol		=	++	=	=
Zinc chloride, aqueous	10 %	++	+	=	++
Zinc rhodanide	30 %		=		

++ Resistant + conditionally resistant = Non-resistant 1) max. 20° C 2) max. 60° C 3) Crystalline

This information is not legally binding.