

Chemical resistance of glass-fibre reinforced REOKORR[®]-HARD K types

Media	REOKORR	REOKORR
	K – VINYL [°C]	K [°C]
Acetic acid anhydride	RT	--
Acetic acid aq. 10%	95(25%)	60
Acetic acid aq. 30%		60
Acetic acid aq. 50%	80	40
Acetic acid aq. 80%	60(75%)	--
Acetic acid conc.,98%		--
Acid ester		--
Acetone	--	--
Acetophenone	--	--
Acrylic acid,10%		RT
Adipic acid aq.		80
Alcohol(ethanol)96% not denatured	35	40
Alkylbenzene sulphonic acid and sodium salts aq.		60
Alum aq.		80
Aluminium salts (n.n.o.) aq.		60
Ammonia(see ammonium hydroxide)		--
Ammonium carbonate aq.	60	40
Ammonium hydroxide aq.,10%	60	RT
Ammonium hydroxide aq.,5%	80	RT
Ammonium hydroxide saturated,25%	RT	RT
Ammonium peroxodisulphate	80	50
Ammonium salts aq.(n.n.o.)		80
Ammonium sulphide aq. 40%		RT
Ammonium thiosulphate aq.	RT	--
Amyl acetate	50	RT
Amyl alcohol	90	40
Aniline	RT	RT
Anone (cyclohexanone)		RT
Antimony pentachloride		--
Antimony trichloride		40
Apple juice		RT
Aqua dist (distilled water)	100	60
Aqua regia		RT
Arsenic acid		60
Barium salt aq. (n.n.o.)	100(BaCl ₂)	80
Battery acid		80
Beer	RT	--
Benzaldehyd	RT	--
Benzene	RT	--

	[°C]	[°C]
Benzoic acid aq.	100	80
Benzoyl chloride		RT
Benzyl alcohol	RT	RT
Benzyl chloride	RT	RT
Benzyl octyl adipate		40
Belaching liqor (Sodium hypochloride, up to 16% active chlorine)		RT
Borax aq.		60
Boric acid aq.	100	60
Bromine gas, moist	RT	--
Bromine water aq.47%		--
Butanoic acid		40
Butanol	50	RT
Butyl acetate	RT	--
Butyl diglycol		40
Calcium chloride aq.	100	80
Calcium fomite aq.		60
Calcium hydroxide aq.	80	60
Caprolactum aq. 40-80%		50
Caprylic acid	90	50
Carbon disulphide	--	--
Carbon tetrachloride	70	RT
Castor oil		80
Chlorinated lime, aq.		40
Chlorine bleaching liquor, 16% active chlorine		RT
Chlorine dioxide	65	RT
Chlorine gas, moist	100	100
Chlorine water		60
Chloroacetic acid, up to 85%		RT
Chlorobenzene	RT	--
Chlorofluorocarbon		--
Chloroform	--	--
Chromate bath		--
Chromic acid aq.10%	60 (20%)	--
Chromic acid aq.30%		--
Chromium sulphuric acid 395:395g/l		--
Cinnamic aldehyde		RT
Citric acid aq.	100	80
Cobalt salts aq.(n.n.o.)		80
Copper salts aq. (n.n.o.)	100 (CuSo4)	80
Cresol, >1% aq.		--
Cresol,0,1% aq.		RT
Cresol,1% aq.		RT
Crude oil 2)	80	RT
Cyclohexane	60	50
Cyclohexanol		RT
Cyclohexanone (anone)		RT
Cyclohexyl amine		RT

	[°C]	[°C]
Dibutyl phthalate		60
Dicotyl phthalate		50
Diesel fuel 3)	RT	RT
Diethanol amine		50
Diethlyne triamine (DETA)		--
Diethyl amine aq. 50%		RT
Diethyl amine conc.		--
Diethyl aniline		RT
Diethyl ether	--	--
Diethyl glycol		--
Diethyl phthalate		60
Diethylene glycol	100	90
Diisobutylene	RT	RT
Dimethyl acetamide, 70%		40
Dimethyl formamide		--
Dimethyl phthalate		50
Dimethyl sulphoxide		--
Dimethylamine, 4%		--
Dimethylaniline		RT
Dioxan		--
Dispersions aq.(pH5-8)4)		RT
Dodecyl benzene sulphonic acid		80
Epoxy resins (solvent-free)		RT
Ethanol aq.<20%		40
Ethanol aq.50%	65	40
Ethanol conc.	35(95%)	40
Ethanolamine		40
Ether	--	--
Ethoxyethyl alcohol5)		RT
Ethyl acetate (Acetic ester)		--
Ethyl chloride	RT	--
Ethylamine, aq.35%		--
Ethylamine, aq.70%		--
Ethylbenzene		--
Ethylene chlorohydrine,100%		--
Ethylene dichloride		--
Ethylene glycol	100	80
Ethylenediamene, 70-80%		--
Ethylenediamine tetraacetic acid (EDTA)	RT	80
Fats and higher fatty acids(approx.C16)	100	90
Fluorosilic acid, aq.25%	30(35%)	RT
Formaldehyde aq. 35%	65	50
Formic acid 10%	80	60
Formic acid 100%	RT	--
Formic acid 50%		40
Formic acid 85%		RT

	[°C]	[°C]
Fruit juices		RT
Furfural	--	--
Fururyl alcohol	RT	--
Gasoline(containing aromatics)		60
Gasoline(containing methanol)		--
Glacial acetic acid	RT	--
Glycerin	100	80
Glycol		80
Glyoxal, 40%		RT
Heating oil(EL)7)	90	60
Heptane, hexane	80(heptane)	60
Hexamethylene tetramine, 28%		RT
Hydrazine hydrate aq.20%		
Hydrazine hydrate aq. 50%		RT
Hydrobromic acid, 10%		60
Hydrochloric acid (for footnote see other) entry for hydrochloric acid)	60(37%)	RT
Hydrochloric acid, all concs.10)	60(37%)	RT
Hydrocyanic acid	100	60
Hydrofluoric acid aq., 10% (caution glass!)	65	RT
Hydrofluoric acid aq.40%		--
Hydrogen chloride (anhydrous)	100	RT
Hydrogen fluoride gas (caution galss!)		RT
Hydrogen peroxide aq.30%	60	RT
Hydrogen sulphide	100	RT
Hydroxylammonium sulphate aq.		60
Hypochlorous acid aq.10%		RT
Iodine, solid		RT
Iron chloride	100	60
Isoamyl acetate		RT
Isoamyl alcohol		RT
Isopropanol		60
Kerosene	80	60
Lactic acid, 10%, aq.		80
Lactic acid, 80%, aq.	100	RT
Lauryl ether sulphate aq.		60
Lead salts aq.	100 (acetate)	80
Lime, aqueosus suspension		80
Linseed oil		60
Lithium chloride aq.	100	80
Lysol		RT
Machine oil		90
Magnesium salts aq.(n.n.o.)	100(MgSO4)	80

	[°C]	[°C]
Maleic acid aq.	100	80
Manganese salts aq.(n.n.o.)		80
Margarine		80
Melamine resins aq.13)		RT
Mercury		100
Mercury salts aq.(n.n.o.)		80
Methanol	RT	RT
Methyl ethyl keton	RT	--
Methyl glycol acetate		--
Methyl isobutyl keton		--
Methylene dichloride		--
Milk		80
Mineral water		80
MMA (methyl methacrylate)		--
Molasses		80
Monochloro acetic acid,<85%	--	RT
Monoethanolamine		40
Monoethylaniline		RT
Mono-iso-propylamine aq.50%		--
Mono-iso-propylamine conc.		--
Mono-n-butyl amine aq.50%		RT
Mono-n-butyl amine conc.		--
Mono-n-propylamine, aq.50%		--
Monostyrene	40	--
Nickel salts aq.(n.n.o.)	100(NiSO4)	80
Nitric acid aq,<30%	60(20%)	40
Nitric acid aq, 30-50%	RT(40%)	RT
Nitric acid aq, 50-70%		--
Octane, octene14)		RT
Oils, mineral	80	80
Oils, plant		80
Oleic acid	80	80
Oleum	--	--
Oxalic acid,aq	100	60
Ozone		--
Palmitic acid	100	90
Paraffin oil		80
Perchloric acid aq.20%	RT(30%)	RT
Perchloric acid aq.70%		RT
Perchloric acid aq.20-70%		RT
Perchloroethylene	RT	RT
Petroleum	80	RT
Petroleum		80
Petroleum ether		80
Petroleum gasoline		60
Phenol aq.<1%		RT

	[°C]	[°C]
Phenol aq.>1%	RT(10%)	--
Phenolsulphonic acid aq.		--
Phosphoric acid aq.<50%		80
Phosphoric acid aq.50-95%	90(100%)	80
Phosphorus oxychloride		--
Phosphorus trichloride	--	--
Phthalic acid aq.		80
Phthalic acid ester		60
Picric acid aq.15)		RT
Polyester resins (e.q. Viapal)16)		RT
Potassium bichromate aq.	100	60
Potassium cyanide aq.		60
Potassium hydroxide solution aq.10%		40
Potassium hydroxide solution, 20%	65(25%)	40
Potassium hydroxide solution, 40%	80	40
Potassium permanganate aq.	100	60
Potassium persulphate aq.	100	RT
Potassium salts (n.n.o.) aq.	100(K2SO4)	80
Propionic acid, conc.	RT	RT
Propylene glycol	100	90
Pyridine	--	--
Salicylaldehyde		RT
Salicylic acid aq.		80
Saline solutions, stable, n.n.o		80
Sea water		90
Silicone oil		100
Silver nitrate aq.17)		40
Soda aq.	80(0-35%)	40
Sodium acetate aq.	100	60
Sodium bicarbonate aq.	80	60
Sodium hydrogensulphide aq.	80	40
Sodium hydroxide solution	80(50%)	40
Sodium hypochlorite, 12%	80(5-16%)	RT
Sodium perborate aq.		80
Sodium peroxide aq.		--
Sodium salts aq.(n.n.o.)	100(Na2SO4)	80
Spent sulphite liquor		60
Spirit	35(95%)	40
Spirits	65(50%)	RT
Strach aq.		80
Stearic acid, stearine	100	80
Styrene	40	--
Succinic acid aq.(n.n.o)		80
Sulphamic acid		60
Sulphite spent liquor (paper manufacture)		60
Sulphur dioxide gas, conc.	100	40
Sulphur trioxide	100	60
Sulphuric acid aq.<60%	100(25%)	60

	[°C]	[°C]
Sulphuric acid aq.>80%	--	--
Sulphuric acid aq.60-70%	80(70%)	40
Sulphuric acid aq.75%	30	--
Sulphurous acid, diluted	50(10%)	RT
Sulphurous acid, saturated		RT
Sulphuryl chloride		--
Tannic acid		80
Tartaric acid aq.	100	80
Tert.butyl chloride		RT
Tetrahydrofuran		--
Thinoyl chloride	--	--
Tin salts aq.(n.n.o.)		80
Toulene	50	--
Toulene-p-sulphonic acid, aq.65%		60
Trichloroacetic acid<85%	90(50%)	--
Trichloroethane		--
Trichloroethyl phosphate		RT
Trichloroethylene	--	--
Triethanolamine		RT
Triethylamine aq.		RT
Triethylene glycol		90
Trimethylamine		RT
Tri-n butylamine		RT
Tri-n-propylamine		RT
Triphenyl phosphite		50
Turpentine	90	60
Urea aq.(pH5-8)	60 (50%)	60
Urea formaldehyde solution18)		RT
Vinyl sulphonate, aq.25%		RT
Washing raw materials and additives		80
Waste water (domestic)		60
Water (distilled)	100	80
Water (sea)	100	90
Water (swimming pool)		40
Water glass		60
Wine		RT
Xylene	50	RT
Zinc salts (n.n.o) aq.	100 (ZnSO4)	80

Signs: RT = room temperature -- = no recommended