Chemical resistance chart

VITROFLEX PC SHEETS

This overview shows the chemical resistance of Vitroflex PC polycarbonate sheets. Chemical compatibility of thermoplastics is dependent on contact time, temperature and stress (external stress to which the application is subjected). Chemical exposure can result in discoloration, softening, swelling, crazing, cracking or loss of properties of the thermoplastic.

We have classified the resistance in 3 levels:

- Poor Not recommended will result in failure or severe degradation.
- Fair Found marginal-only for short exposures at lower temperatures or when loss of properties is not critical.
- Good Found unaffected in its performance when exposed with regards to time, temperature and stress according the internal method.

This information should be used as indicative only. The true chemical compatibility can only be determined under conditions as in the final application.

Acetaldehyde ●	Ammonium persulfate ●	Cello acetobutyrate ●	Dimethylformamide ●
Acethylene dibromo ●	Amyl alcohol ●	Cellulose acetate ●	Dioctyl phthalate ●
Acethylene tetrabromide ●	Aniline ●	Cellulose propionate ●	Dioctyl sebacate ●
Acetic anhydride ●	Aniline sulfate ●	Cesium bromide ●	Diphenylamine ●
Allyl 4methoxyphenol ●	Arsenic trioxide ●	Chloracetophenon ●	Ditridecyl carbonate ●
Allyl alcohol ●	Arsenic trioxide ●	Chlorethanol 2 ●	Ditridecyl phthalate ●
Aluminium acetate ●	Barium carbonate ●	Chlorethanol 2 ●	Dodecyl alcohol ●
Aluminium ammonium sulfate ●	Barium chloride ●	Chlorine ●	2 Dodecyl phenyl carbonate ●
Aluminium chloride ●	Barium sulfate ●	Chlorobenzene ●	Ethanol ●
Aluminium fluoride ●	Benzyl benzoate ●	Chlorobutane ●	Ether ●
Aluminium hydroxide powder ●	Boric acid ●	Chloroform ●	Ethyl bromoacetate ●
Aluminium oxide ●	Bromine ●	Copper (II) chloride 5% ●	Ethyl butyrate ●
Aluminium potassium sulfate ●	Bromochloromethane ●	Cresol ●	Ethyl cellosolve 5% ●
Aluminium sodium sulfate ●	Butoxyethanol ●	Cuprous oxide ●	Ethyl chloracetate ●
Ammonia concentrate ●	Butyl cellosolve acetate ●	Decyl alcohol ●	Ethyl cyanoacetate ●
Ammonia concentrate ●	Butyl stearate ●	Dibromomethane ●	Ethyl glycol 100% ●
Ammonium acetate ●	Butyraldehyde ●	Dibutyl phthalate ●	Ethyl glycol 60% ●
Ammonium bicarbonate ●	Calcium carbonate paste ●	Dichloroethane ●	Ethyl lactate ●
Ammonium bromide ●	Calcium chloride ●	Dichlorohydroxybenzene ●	Ethyl salicylate ●
Ammonium carbonate ●	Calcium hydroxide ●	Dichloromethane ●	Formaldehyde solvent 37% ●
Ammonium dichromate ●	Calcium oxide paste ●	Didecyl carbonate ●	Formalin ●
Ammonium hydroxide 0.13% ●	Calcium sulfate ●	Diisodecyl phthalate ●	Formic acid concentrate ●
Ammonium oxalate ●	Carbon tetrachloride ●	Diisononyl phthalate ●	Gallic acid ●

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Glycerine ●	Muristic acid 20% ●	Potassium chloride 15% ●	Sodium sulfide ●
Hepthyl alcohol ●	Muristic acid 25% ●	Potassium chloride saturated ●	Sodium sulfite ●
Hydrogen chloride 20% ●	Nickel nitrate ●	Potassium chromium sulfate ●	Sodium thotalamate ●
Hydrogen chloride 25% ●	Nitric acid 70% ●	Potassium cyanide powder ●	Sorbitol ●
Hydrogen fluoride 25% ●	Nonyl alcohol ●	Potassium dichromate ●	Strontium bromide ●
Hydroxylamine ●	Octyl alcohol ●	Potassium hydroxide 10% ●	5% Sulfamine acid ●
Iodine ●	Oleic acid ●	P-Phenylphenol ●	Sulfur dioxide ●
Iron (II) chloride ●	Oxydiethanol 2.2 ●	Propionaldehyde ●	Sulfuric acid 50% ●
Iron (III) ammonium sulfate ●	Oxygen ●	Propylene ●	Sulfuric acid 70% ●
Iron (III) chloride saturated ●	Ozone 2% ●	Propylene glycol ●	Sulfurous acid 5% ●
Iron (III) nitrate ●	Palmitic acid ●	Propylene oxide ●	Sulphur hexafluoride ●
Iron (III) sulfate ●	Pentachlorophenol ●	Pyridine ●	Tannic acid ●
Isobutane ●	Perchloric acid ●	Quinine sulfate ●	Tannic acid 20% ●
Isobutanol ●	Phenethyl alcohol ●	Salycilate acid ●	Thiodiacetic acid ●
Isopropyl myristate ●	Phenol 5% ●	Silver chloride saturated ●	Thiodiglycol 5% ●
Lithium bromide ●	Phenol sulfonic acid ●	Silver nitrate ●	Tin (II) chloride ●
Lithium hydride powder ●	Phenoxyacetic ●	Sodium acetate 30% ●	Tin (IV) chloride ●
Magnesium bromide ●	Phenoxyacetic acid ●	Sodium bicarbonate 13% ●	Titanium tetrachloride ●
Magnesium chloride ●	Phenylhydrazine ●	Sodium bicarbonate saturated ●	Triacetine ●
Magnesium nitrate ●	Phosphoric acid 1% ●	Sodium bisulfate ●	Tributoxyethyl phosphate ●
Maleic acid ●	Phosphoric acid 10% ●	Sodium bromate ●	Tributyl cello phosphate ●
Mercapto acetic acid ●	Phosphorus pentachloride ●	Sodium carbonate ●	Trichlor acetic acid 10% ●
Mercury (I) nitrate ●	Phosphorus pentoxide dry ●	Sodium carbonate solvent ●	Triethanolamine ●
Mercury (II) chloride ●	Phthalic anhydride ●	Sodium chlorate ●	Triethylene glycol ●
Mercury metallic ●	Polyalkylene glycol ●	Sodium ferrycyanide ●	Tripropylene glycol ●
Methane ●	Polyethylene glycol ●	Sodium fluoride ●	Trisodium phosphate 5% ●
Methyl acetate ●	Polyethylene sulfide ●	Sodium hydroxide 10% ●	Valine bromide dl ●
Methyl cellosolve ●	Potassium acetate 30% ●	Sodium hydroxide dry ●	Zinc bromide ●
Methyl ethyl ketone ●	Potassium bicarbonate dry ●	Sodium hypochlorite 15% ●	Zinc carbonate ●
Methyl salicylate ●	Potassium bisulfate ●	Sodium hypochlorite 6% ●	Zinc chloride ●
Methylaniline N ●	Potassium bromate ●	Sodium nitrate 10% ●	Zinc oxide ●
Methylbenzoate ●	Potassium bromide ●	Sodium perborate ●	Zinc sulfate ●
Methylene dianiline ●	Potassium carbonate ●	Sodium phosphate ●	
Mono ammonium phosphate ●	Potassium chlorate ●	Sodium silicate ●	

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