

Chemical Compatibility Chart for Polygal Polycarbonate Sheets

A. Chemicals

Safe	Not Recommended	Prohibited
Acetic acid, up to 10%	Allyl alcohol	Acetaldehyde
Acetylene	Cyclohexanal	Acetone
Alumen	Cyclohexane	Acrylonitrile
Aluminum chloride anhydrous, saturated solution in water	Dinonyl phtalate (softener)	Ammonia
Aluminum alumen potash, saturated solution in water	Diocetyl phtalate (softener)	Ammonia water
Aluminium oxalate	Diphyl 5.3	Ammonium sulphide, saturated solution in water
Aluminium sulfate, saturated solution in water	Formic acid	Amyl acetate
Ammonium chloride, saturated solution in water	Glycerin	Aniline
Ammonium fluoride, saturated solution in water	Isopropyl alcohol	Benzaldehyde
Ammonium nitrate, saturated solution in water	Lead tetraethyl, 10% in benzine	Benzoic acid
Ammonium sulphate, saturated solution in water	Milk of lime, 30% slurry in water	Benzene
Antimony chloride, saturated solution in water	Nitric acid, 10-20%	Benzyl alcohol
Arsenic acid, 20%	Perchloric acid, concentrated	Bromine
Benzine (Petroleum Benzin) (non-aromatic)	Petroleum ether (carbon hydrogen mixture)	Brombenzene
Borax, saturated solution in water	Petroleum	Butyric acid
Boric acid	Potato-spirit oil	Butyl acid
Butane (liquid and gaseous)	Sodium sulphite, saturated solution in water	Butyl acetate
Butyl alcohol	Sulphur dioxide	Carbon bisulphide
Butylene glycol	Sulphuric acid, 70%	Chloric gas, dry
Calcium chloride, saturated solution in water Trichloroethyl phosphate (softener) Chloric gas, moist		
Calcium nitrate, saturated solution in water Trichloroacetic acid, 10%	Chlorobenzene	
Calcium soap fat, pure		Chloroform
Calcium hypochloride		Caustic potash
Carbon dioxide, moist		Caustic potash solution
Carbon monoxide		Caustic soda
Chloride of lime magma		Cresol
Chloride of lime solution, 2% in water		Cyclohexanone
Chromic alum, saturated solution in water		Diamyl phtalate
Chromic acid, 20% in water		Diethyl ether

Citric acid 10%		Dibutyl phtalate (softener)
Copper chloride, saturated solution in water	Dimethyl formamide	
Copper chlorine, saturated solution in water	Dioxan	
Cupric sulphate, saturated solution in water	Ether	
Decalin		Ethyl amine
Diethylene glycol		Ethyl bromide
Diglycol acid, saturated solution in water		Ethylene chlorohydrine
Ethyl alcohol, 96% pure		Ethyl dichloride
Ethylene glycol		Hydrochloride acid, concentrated
Formalin 10%		Hydrofluoric acid, concentrated
Ferric chloride, saturated solution in water		Iodine
Ferrous sulphate		Methyl methacrylate
Glycol		Methanol
Heptane		Methyl amine
Hexane		Methyl ethyl ketone
Hydrochloride acid, 20%		Methylene chloride
Hydrosilicofluoric acid, 30%		Narton solution
Hydrofluoric acid, 5%		Nitric acid, 20%
Hydrogen superoxide, 30%		Nitro benzene
Illuminating gas		Nitrous fumes, dry
Lactic acid, 10% solution in water		Perchlorethylene
Ligroine (carbon-hydrogen mixture)		Phenol
Magnesium chloride, saturated solution in water	Phenyl ethyl alcohol	
Magnesium sulphate, saturated solution in water	Phosphorus oxychloride	
Manganese sulphate, saturated solution in water	Potassium cyanide	
Mercury		Pyridine
Mercury chloride, saturated		Styrene
Methane		Sulphuric acid, concentrated
Nitric acid, 10%		Sulphurous acid, 10%
Oxalic acid, 10% in water		Sulphury chloride
Oxide of zine		Tetrachloroethane
Oxygen		Tetrahydrofurane
Ozone		Tetraline
Pentane		Thiophene
Perchloric acid, 10% in water		Toluol
Perhydrol 30%		Trichloroethylamine
Potassium bichromate, saturated solution in water	Trichloroethylene	
Potassium bromate, saturated solution in water	Tricresylol phosphate (softener)	
Potassium carbonate, saturated solution in water	Xylol	
Potassium chloride, saturated solution in water		
Potassium nitrate, saturated solution in water		

Potassium metabisulphite, 4% in water		
Potassium rhodanide, saturated in water		
Potassium perchlorate, 10% in water		
Potassium permanganate, 10% in water		
Potassium persulphate, 10% in water		
Potassium sulphate, saturated solution in water		
Propane gas		
Propanyl alcohol		
Propionic acid, concentrated		
Propyl alcohol		
Resorcin solution, 1%		
Soda		
Sodium bicarbonate, saturated solution in water		
Sodium bisulphate, saturated solution in water		
Sodium bisulphite, saturated solution in water		
Sodium carbonate, saturated solution in water		
Sodium chlorate, saturated solution in water		
Sodium chloride, saturated solution in water		
Sodium hypochloride, 0.5% solution in water		
Sodium sulphate, saturated solution in water		
Spirit, pure		
Sublimate, saturated solution in water		
Sulphur		
Sulphuric acid, 50%		
Sulphuretted hydrogen		
Tartaric acid, 10%		
Urea, saturated solution in water		
Water		
Zinc chloride, saturated solution in water		
Zinc sulphate, saturated solution in water		

B. Germicides

Safe	Not Recommended	Prohibited
Baktol, 5%	Dimamine T, 5%	Carbolic acid
Chloramine	Sagrotan, 5%	DDT
Delegol, 5%	Tincture of iodine	TB-Lysoform
Hydrogen superoxide	Zephirol	
Lysoform, 2%		
Maktol		
Merfen, 2%		
Oktozon, 1%		
Perhydrol		
Resorcin solution 1%		
Spirit, pure		
Sublimate		
Trosilon G extra, 1.5%		

C. Detergents

Safe	Not Recommended	Prohibited
Ajax		
Javel water		
Laundry soap		
Silicone fluid-emulsion		
Soft soap		

D. Technical Oils & Lubricants

Safe	Not Recommended	Prohibited
Aral BG®58	Diesel oil	Camphor oil
Automatic switch grease	Heating fuel oil	Drilling oil
Baysilon®-silicone oils	Jet propulsion fuel JP4 (kp 97-209°C)Skydrol 500 A®	
BP Energol HL 100®	Shell Tellus 11-33®	
BP Energol EM 100®	Turpentine oil	
BP H LR 65®	Valvoline WA 4-7	
Brake fluid (ATE)	Varnish	
Burnishing oil Brunofix®		
Cable insulating oil IG 1402		
Cable insulating oil KH 190		
Calcium soap fat		
Castor oil		
Contact oil 611		
Esso Estic 42-45®		
Fish oil		
Grease R Z Darina®		
Hydraulic oil Vac HLP 16		
Mobil DTE oil light®		
Mobil special oil 10 w 30®		
Molikote®-paste		
Molikote®-powder		
Nato-turbine oil 0-250		
Naphtenic lubricating oil		
Paraffin oil		
Polyran® MM25 (lubricating oil)		
Rape seed oil		
Renocalor N®		
Sewing machine oil		
Shell Spriax 90 EP®		
Shell Tellus 33®		
Silicone fluid		
Sodium soap fat		
Texaco Regal oil BRUO®		
Texaco Regal oil CRUO®		
Train oil		
Turbo oil 29		

E. Adhesives & Sealing Materials

Safe	Not Recommended	Prohibited
Cellux® - adhesive film	All-purpose glue	
Gypsum		
Insulating tape		
Perbunan C®		
Putty		
Rubber (softener-free)		
Terostat®		
Tesafilm		
Tesamoll®		
Sea 210		
Silpruf		
Serbaseal MP		
Dow Corning 917		
Dow Corning 3793 (w.)		
Dow Corning 7098		
Dow Corning 791		
Parasilico PL (cl.)		
Proglaze		
3M 431 -aluminum tape		
Gerlinger 712 -aluminum tape		

F. Polishing Agents & Antistatics

Safe	Not Recommended	Prohibited
Delu-Antistatic solution®	Antistaticum 58	Antistatic C, 5%
Persoftal®, 2%	Arquad 18®, 50%	