

# Chemical Resistance

The compatibility tests are carried out by immersing the polycarbonate sample piece for 180 days in the substance to be tested at a constant temperature of 20°C. The esthetical aspect (dulling, fissures) is then evaluated and the mechanical characteristics are compared with the original values of the polycarbonate.

**CHART KEY:** **Resistant**, **Partially resistant**, **NOT resistant**

## CHEMICALS

Acetaldehyde  
Acetic acid 5%  
Acetic acid 30%  
Acetic acid  
Acetone  
Acetylene  
Acrylic nitrile  
Acrylonitrile  
Allylic alcohol  
Alum  
Aluminium alum  
Aluminium chloride  
Aluminium oxalate  
Aluminium sulphate  
Amilacetate  
Ammonia  
Ammonia water  
Ammonium chloride  
Ammonium fluoride  
Ammonium hydrate  
Ammonium nitrate  
Ammonium sulphate  
Ammonium sulphide  
Ammonium trichloride  
Aniline  
Antimony pentachloride  
Arsenic acid 20%  
Arsenous acid 20%  
Benzene  
Benzoic acid  
Benzoic aldehyde  
Benzole  
Benzyl acid  
Benzyl alcohol  
Borax  
Boric acid  
Bromine  
Bromobenzene  
Bromobenzol  
Butane  
Butanol  
Butilic alcohol  
Butyl acetate  
Butylenic glycol  
Butylstearate  
Butyric acid  
Calcium chloride  
Calcium hydrate  
Calcium hypo chloride  
Calcium nitrate  
Calcium soap  
Carbonic acid  
Carbon oxide  
Carbon sulphide  
Carbon tetrachloride  
Caustic potash 5%  
Caustic soda 5%  
Chloride of lime  
Chlorine gas  
Chlorobenzol  
Chloroform  
Chrome alum  
Chromic acid 20%  
Citric acid 10%  
Concrete  
Copper chloride  
Coppers sulphate  
Copper chloride

Cresol  
Cyclohexane  
Cyclohexanon  
Cyclohexanol  
Cyclohexene  
Decalin  
Dimethyl Fluorinamide  
Diamphthalate  
Diethyl ether  
Dimethylformaldehyde  
Dinonilphthalate  
Dioxane  
Diocetyl adipate  
Diocetyl phtalate  
Diphyl  
Dyburlyphthalate  
Ether  
Ethilenchloride  
Ethilenglycol  
Ethyl alcohol 96%  
Ethyl bromide  
Ethyl chloridrine  
Ethyl ether  
Ethylamine  
Ethylene chloride  
Ethylenic glycol  
Etilencloridrina  
Fluosilicic acid 30%  
Formalin  
Formic Acid 30%  
Glycerine  
Glycol  
Glycolic acid  
Heptane  
Hexane  
Hydrochloric acid 10%  
Hydrochloric acid 35%  
Hydrofluoric acid  
Hydrogen sulphide  
Industrial petrol  
Iodine  
Iron chloride  
Iron sulphate  
Isoamyl alcohol  
Isopropyl alcohol  
Kerosene  
Lactic acid 5%  
Ligroin  
Lime wash  
Magnesium chloride  
Magnesium sulphate  
Manganese sulphate  
Mercury  
Mercury chloride  
Methanol  
Methyl alcohol  
Methyl metacrylate  
Methylamine  
Methylene chloride  
Methylic ester  
Methylisobutylketone  
Methylketone  
Naphtha  
n-butyl alcohol  
Nickel sulphate  
Nitric acid 10%  
Nitrobenzene  
Nitrobenzole  
Nitrous gases

Oleic acid  
Oxalic acid  
Oxygen  
Ozone  
Pentane  
Perchlorethylene  
Perchloric acid  
Perchloric acid 10%  
Petroleum  
Petroleum ether  
Phenic acid  
Pheniletlylic alcohol  
Phenol  
Phosphoric acid  
Phosphor trichloride  
Phosphorus chloride  
Phosphotic Oxychloride  
Potassium alum  
Potassium bromide  
Potassium carbonate  
Potassium chloride  
Potassium cyanide  
Potassium dichromate  
Potassium-  
metabisulphite 4%  
Potassium nitrate  
Potassium-  
perchlorate 10%  
Potassium-  
permanganate 10%  
Potassium persulphate  
Potassium Rhodanate  
Potassium sulphate  
Potassium sulphocyanide  
Propane  
Propargylic alcohol  
Propionic acid  
Propyl alcohol  
Pyridine  
Soda  
Sodium bicarbonate  
Sodium bisulphate  
Sodium bisulphite  
Sodium carbonate  
Sodium chlorate  
Sodium chloride 10%  
Sodium hydrate 1%  
Sodium hydrate 10%  
Sodium hypo chloride  
Sodium sulphate  
Sodium sulphide  
Sulphoral chloride  
Sulphur dioxide  
Sulphuric acid at 50%  
Sulphuric acid 70%  
Sulphurous acid 10%  
Styrol  
Sulphur  
Synthetic saliva  
Synthetic sweat  
Tartaric acid  
Tetrachlorethane  
Tetrahydrofuran  
Tetralin  
Thricloroacetic acid  
Thrimetilic acid  
Tiophen  
Toluol  
Tri cresyl phosphate

Trichlorethylamine  
Trichlorethylphosphate  
Trichloro-ethylene  
Triethanolamine  
Turpentine  
Urea  
Vinyl acetate  
Water  
Xylene  
Zinc chloride  
Zinc oxide  
Zinc sulphate

## DETERGENTS

Ajax  
Bleach  
Calgonit  
Dor  
Fewa  
Horoliht M  
Impact  
Into-Fensterklar  
Laundry soap  
Natril  
Omo  
P3 Aseptol  
Parifex 2%  
Persil  
Pril  
Rapdosept  
Rei  
Riseptin  
Sidolin  
Somat  
Suwa  
Tiba  
Trisilin F  
WK 60

## DISINFECTANTS

Baktol  
Carboxylic Acid  
Chloramine  
DDT  
Delegol  
Dimamin  
Hydrogen peroxide 10%  
Lysoform 2%  
Maktol  
Menfen  
Oktozon 1%  
Perhydrol  
Pure alcohol  
Resorcina 1%  
Sagrotan 5%  
Sublimate  
TB-Lysoform  
Tincture of iodine  
Trosilin G extra 1,5%  
Zephinol

## FOODS

Apple juice  
Beer  
Beet  
Bovine tallow  
Butter  
Castor oil  
Chocolate  
Cinnamon  
Clove  
Coffee

Cognac  
Cucumbers  
Fish  
Fruit juice  
Gin  
Glucose  
Grapefruit juice  
Lard  
Linseed oil  
Liquors  
Liver oil  
Maggi  
Margarine  
Meat  
Mustard  
Nutmeg  
Olive oil  
Onions  
Orange juice  
Pimento  
Raspberry syrup  
Rum  
Salt  
Tea  
Tobacco  
Tomato sauce  
Vanilla  
Vegetable juices  
Vegetable oils  
Vinegar  
Vodka  
Wine

## OILS AND FATS

Aral BG  
Baysolin  
BP Energol  
Brake liquid  
Brunofix  
Camphor oil  
Combustible oil  
Darina  
Diesel oil  
Drill oil  
Esso Estic  
Machine oil  
Mobil DTE  
Molikote  
Oily paint  
Paraffin oil  
Polyran  
Rhenocalor N  
Shell Spirax 90  
Shell Tellus 11-33  
Silicone oil  
Skydrol  
Texano Regal  
Turpentine oil

## PHARMACEUTICALS

Ambra solare  
Blood plasma  
Conditioner  
Hydroplex  
Lanoline  
Methanol 90%  
Nailpolish solvent  
Odol mouthwash  
Periston  
Vaseline  
Wick-Vaporuf