

Chemical resistance of PC

1. Chemicals	Valuation
Acetaldehyde	0
Acetone	0
Acetylene	+++
Acrylic nitrile	0
Alum = Potassium aluminium sulphate	+++
Allyl alcohol	++
Aluminium chloride, saturated solution in water	+++
Aluminium oxalate	+++
Aluminium sulphate, saturated solution in water	+++
Formic acid, up to 30%	++
Ammonia	0
Ammonia water	0
Ammonium chloride, saturated solution in water	+++
Ammonium fluoride, saturated solution in water	0
Ammonium nitrate, saturated solution in water	+++
Ammonium sulphate, saturated solution in water	+++
Ammonium sulphide, saturated solution in water	0
Amyl-acetate	0
Aniline	0
Antimony-III-chloride, saturated solution in water	+++
Arsenic acid up to 20%	+++
Caustic potash (potassium hydroxide)	0
Caustic lye (sodium hydroxide)	0
Benzaldehyde	0
Benzoic acid	0
Benzole	0
Benzyl alcohol	0
Benzine (wasch benzine nonaromatic)	+++
Lead tetraethyl up to 10% in benzine	++
Borax, saturated solution in water	+++
Boratic acid	+++
Bromine	0
Bromine benzole	0
Butane (liquid and gaseous)	+++
Butyric acid	0
Butyl alcohol	+++
Butylene glycol	+++
Calcium chloride, saturated solution in water	+++
Calcium nitrate saturated solution in water	+++
Calcium hydrochloride	+++
Chlorine, dry	++
Chlorine wet	0
Chlorine benzole	0
Chloride of line pulp	0
Chloride of line pulp	+++
Chloride of line solution, up to 2% in water	+++
Chloroform	0
Chrome alum (kafum chrome sulphate)	0
Chromic acid, up to 20% in water	+++
Cyclohexane	++
Cyclohexanol	++
Propargyl alcohol	+++
Propionic acid, up to 20%	+++
Propionic acid, conc.	0
Propyl alcohol	+++

Pyridine	0
Mercury	+++
Mercuric chloride, saturated	+++
Resorcinol solution up to 1%	+++
Oxygen	+++
Nitric acid up to 10%	+++
Nitric acid 10 - 20%	++
Nitric acid up to 20%	0
Hydric chloride up to 20%	+++
Hydric chloride conc.	0
Sulphur	+++
Sulphur dioxide	++
Carbon disulfide	0
Sulphuric acid, up to 50%	+++
Sulphuric acid, up to 70%	++
Sulphuric acid, conc.	0
Sulphur acid, up to 10%	0
Hydrogen sulphide	+++
Soda	+++
Spirit	++
Styrol	0
Sublimate, saturated solution in water (mercury sublimat)	+++
Sulfury chloride	0
Tetrachloroethan	0
Tetrahydrofurane	0
Tetraline	0
Thiphen	0
Trichlorin ethyl amine	0
Trichlorin ethylene	0
Trichlorin ethyl phosphate (softener)	++
Trichlorin acetic acid, up to 10%	++
Trikresyl phosphate (softener)	0
Water	+++
Hydrogen superoxide up to 30% (perhydral)	+++
Tartaric acid up to 10%	+++
Xylene	0
Zinc chloride, saturated solution in water	+++
Zinc oxide	+++
Zinc sulphate saturated solution in water	+++
Citric acid up to 10%	+++
2. Disinfectants	
Baktol up to 5%	+++
Chloramine	+++
Delegol up to 5%	+++
Dimamin T, up to 5%	++
Tincture of iodine	++
Carbolic acid	0
Maktol	+++
Merfen up to 2%	+++
Oktozon up to 1%	+++
Perhydrol	+++
Sagrotan up to 5%	++
Sublimat	+++
Trosilin Gextra up to 1,5 %	+++
Zuphirol	++
3. Pharmaceuticals, cosmetics	
Blood-plasma	+++
Delial- suntan lotion	+++

Hydroplex	+++
Klosterbalsam	+++
Lanolin	+++
Menthol up to 90% in alcohol	++
Nail polish	0
Nail polish remover	0
Odol- mouth wash	+++
Periston - blood supplementary	+++
Vaseline	+++
Wick-Voperup	+++
4. Food and consumer goods	
Apple juice	+++
Orange juice	+++
Beer	+++
Butter	+++
Cognac up to 38 %	+++
Fish	+++
Meat	+++
Fruit syrup (raspberry)	+++
Vegetable juices	+++
Cucumber	+++
Coffee	+++
Common salt	+++
Medical plant and herb tea with etheral oils	0
Cod-liver oil	+++
Linseed oil	+++
Liquers	+++
Maggi	+++
Margarine	+++
Milk	+++
Mineral water	+++
Nutmeg	0
Pink	0
Fruit juices	+++
Grapefruit juice	+++
Paprika	+++
Pepper	+++
Vegetable oils	+++
Allspice	0
Beef - fat	+++
Beetroot syrup	+++
Rum	+++
Salad - oil	+++
Chocolate	+++
Lard	+++
Mustard	+++
Syrup	+++
Common salt	+++
Vinegar	+++
Tobacco	+++
Tea	+++
Tomato paste	+++
Tomato juice	+++
Dextrose	+++
Vanillin	+++
Juniper	+++
Wines	+++
Vodka	+++

Worcester-Sauce	+++
Cinnamon	+++
Sugar solution saturated	+++
Onions	+++
5. Detergents, fabric softeners and cleaning fluids	
Ajax	+++
Bleaching water	+++
Calgonit S up to 1%	+++
Calgonit D DM DA, R	0
Calgonit - detergent for dishes	0
Calgonit - after rinsing detergent	+++
Dor	+++
Fewa	+++
Into - window cleaner	+++
Natril	+++
Omo	++
Persil	++
Pril	+++
P3 Asepto	0
Rapdosept	++
Rei	+++
Riseptin	+++
Soap paste	+++
Sidolin	+++
Siliconoil - emulsion	+++
Somat W 731	++
Suwa	+++
Trosilin P extra 2%-ig	+++
Tuba - dry foam conc.	++
WK60 (Kron-Chemie)	+++
6. Technical oils and greases	
Aral BG 58	+++
Baysilon - silicone oils	+++
Bore oil	0
BP Energol HL 100	+++
BP Energol EM 100	+++
BP HIR 65	+++
Brake fluid (ATE)	0
Polishing oil Brunofix	+++
Calcium - soap fat	+++
Diesel oil	++
Sprinkler fuel JP 4	++
Esso Estic 42-45	+++
Fish oil	+++
Marine oil	+++
Fuel oil	++
Hydraulic oil Vac HLP 16	+++
Cable isolating oil IG 1402	+++
Cable isolating oil KH 190	+++
Camphor oil	0
Contact oil 61	+++
Mobil DTE Oil Light	+++
Mobil Special Oil 10 W 3	+++
Molikote - powder	+++
Sewing-machine oil	+++
Nato-turbine oil 0-250	+++
Naphtene basic grease	+++
Sodium - soapfat	+++

Paraffin base grease	+++
Paraffin base oil	+++
Polyran MM 25 (grease)	+++
Phenocalor N	+++
Castor oil	+++
Colza oil	+++
Grease R2 Darina	+++
Shell spirax 90 EP	+++
Shell Tellus 11-33	++
Shell Tellus 33	+++
Silicone oil	+++
Skydrol 500 A	0
Turpentine supplying	+++
Turpentine oil	++
Texaco Regal Oil Bruo	+++
Texaco Regal Oil Cruo	+++
Turbo-oil 29	+++
Valvoline WA 4-7	++
Wöhlerfat	+++
7. Binding and insulating materials	
Universal glue	++
Cellux-fixing foils	+++
Window putty	+++
Gypsum	+++
Rubber (without softener)	+++
Insulating tape	+++
Perbunan C	+++
Terostat	+++
Adhesive tape	+++
Tesamol	+++
8. Polishing and antistatic means	
Antistatik up to 0,5%	0
Antistatikum 58	++
Arquad up to 18, 50%	++
Delu-antistatic solution	+++
Cyclohexanone	0
Cyclohexane	0
Dekalin	+++
Diethyl ether	0
Diethylene glycol	+++
Diarnylphthalat	0
Dibutylphthalat (softener)	0
Diglycol saturated in water	+++
Dinonylphthalat (softener)	++
Diocetylphthalat (softener)	++
Dimethyl formamide	0
Dioxane	0
Diphyl 5,3	++
Iron III-chloride, saturated solution in water	+++
Iron-II-sulphate	+++
Acetic acid, up to 10%	+++
Ether	0
Ethyl alcohol, pure up to 96% (Ethanol)	+++
Ethyl amine	0
Ethyl bromide	0
Ethylene chloride	0
Ethylene glycol	+++
Hydrogene - fluoride up to 5%	+++

Hydrogene - fluoride conc.	0
Formalin up to 10%	+++
Glycerin	++
Carbamide, saturated solution in water	+++
Heptane	+++
Hexane	+++
Isoamylalcohol	++
Isopropylalcohol	++
Iod	0
Potassium hydroxide	0
Potassium aluminium sulphate (alum) saturated solution in water	+++
Potassium bichromate, saturated solution in water	+++
Potassium bromide, saturated solution in water	+++
Potassium carbonate, saturated solution in water	+++
Potassium chloride, saturated solution in water	+++
Potassium nitrate, saturated solution in water	+++
Potassium metabisulfite, up to 4% in water	+++
Potassium mondanid, saturated solution in water	+++
Potassium perchlorate, up to 10% in water	+++
Potassium permanganate up to 10% in water	+++
Potassium persulphate, up to 10% in water	+++
Potassium sulphate, saturated solution in water	+++
Potassium cyanide	0
Lime cream, colmation in water up to 30%	++
Silicon fluoride hydrogen acid, up to 30%	+++
Carbon monoxide	+++
Carbonic acide, wet	+++
Cresol	0
Copper chloride, saturated solution in water	+++
Copper subchloride, saturated solution in water	+++
Copper sulphate, saturated solution in water	+++
Lauchtgas	+++
Ligroin (lipoid according to hydrocarbon chemistry)	+++
Magnesium chloride, saturated solution in water	+++
Magnesium sulphate, saturated solution in water	+++
Mangan sulphate, saturated solution in water	+++
Methacrylic acid-methylester	0
Methane	+++
Methyl alcohol (Methanol)	0
Butanone	0
Methyl amine	0
Methylene chloride	0
Lactic acid, solution up to 10% in water	+++
Sodium bicarbonate, saturated solution in water	+++
Sodium bisulphate, saturated solution in water	+++
Sodium bisulfite, saturated solution in water	+++
Sodium carbonate, saturated solution in water	+++
Sodium chlorate, saturated solution in water	+++
Sodium chloride, saturated solution in water	+++
Sodium hypochloride solution up to 0,5 % in water	+++
Sodium sulphate, saturated solution in water	+++
Sodium sulfide, saturated solution in water	++
Caustic lye of soda	0
Nitrobenzene	0
Nitrose, gases, dry	0
Oxolic acid, up to 10% in water	+++
Ozone	+++
Pentane	+++

Ethylene perchloride	0
Perchlorine acid up to 10% in water	+++
Perchlorine acid conc.	++
Perhydrol, up to 30%	+++
Petroleum ether (lipoid according to hydrocarbon chemistry)	++
Petroleum	++
Phenol	0
Phenyl ethyl alcohol	0
Phosphorus pentoxide chloride	0
Phosphorus acid, conc.	+++
Phosphorus trichloride	0
Propane (liquid and gaseous)	+++
Pesofal up to 2%	+++
Perspex polish 3	+++
Plexiklar	+++
Polifax-polishing cream	+++
Stalexan AN	+++
9. Inks and Indian inks	
Drawing Indian ink S	0
Drawing Indian ink T	+++
Geha-seal ink	+++
Biro ink Othello	++
Biro ink Diplomat	++
Biro ink V77 (Linz)	+++
Multi-Marker (Faber Castel)	++
Pelikan Königstlau 4001	+++
Registering ink DIA type Ured	+++
Visor Pen 7 blue	+++
10. Other things	
Waste gas, acid containing	+++
Battery acid	+++
Basilit UAK up to 20% in water (wood preserving middle)	+++
Petrol, normal	++
Petrol, super	0
Blood	+++
Floor polishing wax	+++
Chrome-oxide-green (polishing cream)	+++
E 605, up to 05% (insecticide)	+++
E 605 conc.	0
Final-photo developer, concentration for use	+++
Frigen 113, R 113 (fuel)	+++
Freon FT (fuel)	+++
Freon T-WD 602 (fuel)	+++
Tannic acid	0
Gypsum	+++
Insulating tape	+++
Kaltron 113 MDR (fuel)	+++
Kerosin (aviation petrol)	0
Illuminating gas	+++
Marlon 1%-ig (Netzmittel)	+++
Neutol-photo developer, concentration for use	+++
Oleic acid, conc.	+++
Ort5hozid 50, 0,5%-ig (insecticide)	+++
Polyamide	+++
Polyethylene	+++
Polyvinyl chloride	+++
Polyvinyl chloride, contains softener	+++
Cleaner benzine	+++

Castor oil	+++
Shell IP4 (fuel)	0
Fumes, acidic (pH4,7)	+++
Fume, alkaline (pH9,5)	++
Soap lye	++
Starch	+++
Tanigan CV	++
Tanigan CLS up to 30%	++
Test petrol	+++
Cement dry	+++
Cement mixed	0

Key to the signs used

satisfactory, quality deterioration max.: 15%

+++

conditional satisfactory quality deterioration 15...50%

++

not satisfactory, in some case dissolving

0