PETg: Chemical resistance

Resistance: 1 = stable, 2 = conditionally stable, 3 = unstable

Contents	Conc.	PETG	
		20° C	50° C
Acetaldehyde	40%	3	3
Acetaldehyde + acetic acid	90/10%	-	-
Acetic acid	10 %	1	1
Acetic acid	50 %	-	-
Acetic acid	5 %	1	1
Acetic acid (glacial acetic acid)	90%	3	3
Acetic acid ester	100 %	3	3
Acetone		3	3
Acetonitrile		-	3
Acid, battery	38 %	3	3
Acrylic acid ethyl ester	100%	-	-
Adipic acid	saturated	-	-
Allyl alcohol	96 %	1	-
Alum		1	1
Aluminium chloride	10 %	1	1
Aluminium chloride	solid	-	-
Aluminium chloride	saturated	-	-
Aluminium chloride	aqueous	1	1
Aluminium nitrate	aqueous	1	1
Aluminium sulfate	10 %	1	1
Aluminium sulfate	saturated	-	-
Ammonia	25 %	1	3
Ammonia liquor	any	1	3
Ammonium chloride	aqueous	1	1
Ammonium fluoride	saturated	1	1
Ammonium fluoride	aqueous	1	1
Ammonium nitrate	10 %	1	1
Ammonium nitrate	saturated	1	1
Ammonium nitrate	aqueous	1	1
Ammonium sulfate	10 %	1	1
Ammonium sulfate	saturated	1	1
Ammonium sulfate	aqueous	1	1
Ammonium sulfide	any	-	-

Ammonium sulfide	aqueous	-	-
Amyl acetate (Pentylacetate)		1	2
Amyl alcohol		1	-
Aniline		-	-
Aniline chlorohydrate	saturated	-	-
Antifreeze (Ethyleneglycol)		1	-
Antimony trichloride	90 %	-	-
Aqua regia		3	3
Aromatic acid		-	-
Aromatic acids	0,5	-	-
Arsenic acid		-	-
Arsenic acid	aqueous	-	-
Arsenic acid hydride		-	-
Beer		1	-
Benzene		3	3
Benzoic acid	saturated	1	-
Benzoic acid	aqueous	1	-
Benzyl benzoate		-	-
Borax	any	1	1
Boric acid	10 %	1	-
Boric acid	aqueous	1	-
Brake fluid		-	-
Brake fluid DOT 3		1	1
Brandy		1	-
Brandy		-	-
Bromic vapours		3	3
Bromine		3	3
Butane	techn. pure	1	-
Butanol	techn. pure	1	-
Butinediol	10 %	1	-
Butyl acetate		2	-
Butyric acid		-	-
Calcium chloride	aqueous	1	-
Calcium hypochlorite	aqueous	2	-
Calcium hypochlorite	saturated	2	-
Calcium nitrate	50 %	1	1
Calcium nitrate	aqueous	1	1
Carbon dioxide, dry	techn. pure	1	1
Carbon dioxide, umid	techn. pure	1	1
Carbon disulfide		-	-

Carbon tetrachloride		1	3
Carbonic acid	saturated	1	1
Caustic potash	30 %	3	3
Caustic potash	50 %	3	3
Caustic potash	aqueous	3	3
Caustic potash	10 %	3	3
Caustic potash	50 %	3	3
Caustic soda		3	3
Chloramine	diluted	-	-
Chloric methyl		-	-
Chlorinated water		3	3
Chlorine	10 % wet	3	3
Chlorine	97 %	3	3
Chlorine gas		3	3
Chloroacetic acid		3	3
Chloroacetic acid (mono)	50 %	3	3
Chloroacetic acid (mono)	techn. pure	3	3
Chlorobenzene		1	3
Chlorsulphonic acid	techn. pure	3	3
Chromic acid	10 %	2	-
Chromic acid	20 %	3	3
Chromic acid	50 %	3	3
Chromic acid	aqueous	3	3
Chromic alum	saturated	1	1
Chromic sulphuric acid	pur	3	3
Citric acid	10 %	1	2
Citric acid	10 %	1	2
Citric acid	50 %	-	-
Citric acid	saturated	-	-
Citric acid	aqueous	-	-
Common salt		1	1
Common salt	aqueous	1	1
Copper sulphate	aqueous	1	1
Crude oil	100 %	1	-
Cyanogen potash	saturated	-	-
Cyclanone		1	1
Cyclohexane		1	-
Cyclohexanol	techn. pure	-	-
Cyclohexanone	techn. pure	3	3
Dekalin (Decahydronaphtalin)	100 %	2	-

Detergent solution		1	1
Dextrine		1	1
Dextrine	aqueous	1	1
Diaethyl ether		-	-
Dibutyl phthalate (DBP)		1	-
Dichloroethylene	techn. pure	3	3
Diesel fuel		1	1
Diesel oil	100 %	1	1
Diglycolic acid	30 %	-	-
Diglycolic acid	aqueous	-	-
Dimethyl formamide		1	-
Dioxane		1	-
Drinking water		-	-
Emissions, carbon dioxide	low	1	1
Emissions, hydrochloric	any	-	-
Emissions, hydrofluoric	low	-	-
Emissions, nitrous	low	-	-
Emissions, sulfurdioxide	low	-	-
Emissions, sulfuric acid	any	-	-
Engine oil		1	1
Ethanol	50 %	1	1
Ethanol	96 %	1	1
Ethyl acetate		2	3
Ethyl alcohol	40 %	1	1
Ethyl alcohol	96 %	1	1
Ethyl chloride		3	3
Ethylene glycol		1	-
Fat, vegetable		1	-
Fatty acid	techn. pure	1	-
Fertilizer salts	saturated	1	-
Fluorhydric acid	40%	-	-
Fluorhydric acid	70%	-	-
Fluorhydric acid	100 %	3	3
Fluorhydric acid	4 %	3	3
Fluorhydric acid	50 %	3	3
Fluorine		3	3
Fluorine	dry	3	3
Fluosilicic acid		-	-
Formaldehyde	10 %	1	-
Formaldehyde	40 %	1	-

Formic acid	3 %	1	-
Formic acid	50 %	-	-
Formic acid	98-100 %	-	-
Freon 11		-	-
Fruit juices		1	-
Fruit tree carbolineum	aqueous	-	-
Fruit wine		1	1
Gelatine	any	1	1
Gelatine	aqueous	1	1
Glacial acetic acid		3	3
Glucose	any	1	1
Glue (animal glue, gelatine)	any	1	1
Glycerin	any	1	-
Glykol		1	-
Grape sugar	any	1	1
Grape sugar	aqueous	1	1
Hexane		1	-
Hexane, -n		1	-
Hydorcyanic acid	aqueous	-	-
Hydrazine	10 %	-	-
Hydrazine hydrate		-	-
Hydrobromic acid	40%	3	3
Hydrobromic acid	50 %	3	3
Hydrobromic acid	diluted	2	-
Hydrochloric acid	1-5 %	1	1
Hydrochloric acid	20 %	2	-
Hydrochloric acid	35 %	3	3
Hydrochloric acid	conc.	3	3
Hydrocyanic acid	techn. pure	-	-
Hydrofluosilicic acid	32 %	3	3
Hydrogen fluoride	anhydrous	3	3
Hydrogene chloride gas		3	3
Hydrogene peroxide	3 %	-	-
Hydrogene peroxide	30 %	-	-
Hydrosulphide	saturated	1	-
Hydroxylamine sulfate	any	-	-
Iodine tincture		-	-
Iron chloride	aqueous	-	-
Isooctane	techn. pure	1	-
Isopropyl alcohol	techn. pure	-	-

Kerosene		1	-
Kerosene		1	1
Ketone		-	-
Lactic acid	3 %	1	-
Lactic acid	80 %	-	-
Lactic acid	85 %	-	-
Lactic acid	aqueous	1	-
Lead acetate	aqueous	1	1
Lead-(II)-acetate		1	1
Linseed oil	techn. pure	1	-
Liqueurs		1	-
Lubricating oil		1	1
Magnesium sulphate	saturated	1	1
Magnesium sulphate	aqueous	1	-
Magnesiumchloride	aqueous	1	-
Maleic acid	saturated	-	-
Maleic acid	aqueous	-	-
Mercury	pur	1	1
Mercury chloride	aqueous	1	1
Methanol		1	-
Methoxybutanol	100 %	-	-
Methyl acetate	techn. pure	2	-
Methyl alcohol (methanole)		1	-
Methyl ethyl ketone		3	3
Methylen chloride		3	3
Milk		1	1
Molasses		1	-
Molasses wort		1	1
Mowilith D		1	1
Naphthaline	techn. pure	-	-
Naphthaline	100 %	-	-
Nitric acid	100 %	3	3
Nitric acid	1-10 %	1	1
Nitric acid	50 %	1	1
Nitric acid	66 %	3	3
Nitric acid	70 %	3	3
Nitrous dilution		-	-
Nitrous gases	diluted	-	-
Oil (vegetable) and animal fats		1	-
Oil, essential		-	-

Oleic acid	techn. pure	1	-
Oleum	10 % SO3	3	3
Oleum vapours	low	-	-
Olive oil		1	-
Oxalic acid		-	-
Oxalic acid	aqueous	1	1
Ozone		-	-
Palm kernel oil acid	100%	-	-
Palm-oil		1	-
Perchloric acid		3	3
Petrol		1	1
Petrol 10% ethyl alcohol		2	-
Petrol 10% methanol		2	-
Petrol ether		-	-
Petrol normal		2	-
Petrol normal unleaded		2	-
Petrol Super unleaded		2	-
Petroleum		1	1
Phenol	100 %	3	3
Phenol	10 %	3	3
Phosgene	techn. pure	-	-
Phosgene	liquid	-	-
Phosgene	gaseous	-	-
Phoshoric acid	1-5 %	1	-
Phoshoric acid	aqueous 20%	-	-
Phoshoric acid	30 %	-	-
Phoshoric acid	85 %	-	-
Phosphorus pentoxide	techn. pure	-	-
Photographic developers		1	-
Photographic developers		-	-
Photographic emulsion	any	-	-
Photographic fixing bath		-	-
Phthalilc acid	saturated	1	-
Plasticiser, DBS		1	1
Plasticiser, DOP		1	1
Polish remover		-	-
Potash	saturated	1	1
Potash	aqueous	1	1
Pottassium bichromate	saturated	2	-
Pottassium borate	10 %	1	1

Pottassium borate	aqueous	1	1
Pottassium bromate	saturated	-	-
Pottassium bromate	aqueous	-	-
Pottassium bromide	any	1	1
Pottassium chloride	aqueous	1	-
Pottassium chromate	saturated	-	-
Pottassium chromate	aqueous	-	-
Pottassium hydroxide	50 %	3	3
Pottassium hydroxide	conc.	3	3
Pottassium hydroxide	aqueous	3	3
Pottassium hydroxide	10 %	3	3
Pottassium hydroxide (Caustic pottash)	1 %	3	3
Pottassium nitrate	50 %	1	1
Pottassium nitrate	aqueous	1	1
Pottassium permanganate		1	1
Pottassium permanganate	aqueous	1	1
Pottassium sulphate	any	-	-
Propane	liquid	1	-
Propane	gaseous	1	-
Propanoic acid	50 %	-	-
Propanoic acid	techn. pure	-	-
Propyl alcohol		1	-
Propyl alcohol	100 %	1	-
Pyridine		-	-
Roasting gases	any	-	-
Sea water		1	1
Silicic acid	any	1	1
Silicone oil		1	-
Silver nitrate		1	1
Silver nitrate	aqueous	1	1
Silver salt	saturated	1	1
Soap solution	any	1	1
Sodium carbonate		-	-
Sodium carbonate		-	-
Sodium carbonate	saturated	-	-
Sodium carbonate	aqueous	1	-
Sodium carbonate	saturated	-	-
Sodium carbonate	aqueous	1	-
Sodium chloride	any	1	1
Sodium chloride	aqueous	1	1

Sodium fluoride	saturated	1	1
Sodium hydroxide	1 %	2	2
Sodium hydroxide	50 %	3	3
Sodium hydroxide	30 %	3	3
Sodium hydroxide	45 %	3	3
Sodium hydroxide	60 %	3	3
Sodium hydroxide	aqueous	3	3
Sodium hypochlorite		2	2
Sodium hypochlorite	12 % Cl	2	2
Sodium hypochlorite	15 %	2	2
Sodium hypochlorite	50 %	3	3
Sodium hypochlorite	saturated	3	3
Sodium hypochlorite	diluted	2	2
Sodium hypochlorite	aqueous	2	2
Sodium hypochlorite solution	20 %	3	3
Sodium hypochlorite solution	50 %	3	3
Sodium hypochlorite solution	diluted	2	-
Sodium nitrate	saturated	1	1
Sodium nitrate	aqueous	1	-
Sodium silicate	aqueous	1	-
Sodium silicate	any	1	-
Sodium sulfide	aqueous	1	-
Spindle oil		1	-
Starch dilution	any	1	1
Starch sirup		1	1
Stearic acid	crystals	1	-
Styrene	100 %	1	1
Succinic acid	50 %	-	-
Succinic acid	saturated	-	-
Succinic acid	any	-	-
Sugar sirup		1	1
Sulphur	techn. pure	1	1
Sulphur dioxide	humid	-	-
Sulphur dioxide	liquid	-	-
Sulphur trioxid		3	3
Sulphuric acid	1-6 %	-	-
Sulphuric acid	20 %	-	-
Sulphuric acid	40 %	3	3
Sulphuric acid	60 %	3	3
Sulphuric acid	80 %	3	3

Sulphuric acid	95 %	3	3
Sulphuric acid	smoking	3	3
Tallow	techn. pure	1	-
Tannic acid		-	-
Tanning extracts	usual	-	-
Tanning extracts, vegetable	usual	-	-
Terpentine		1	1
Terpentine oil		1	-
Tetralin		1	-
Thionyl chloride	techn. pure	-	-
Thionyl chloride		-	-
Toluene		1	-
Transformer oil	100 %	1	1
Trichlorethylene	100 %	3	3
Triethanol amine	techn. pure	1	-
Urea	aqueous	1	-
Urea (carbamide)		1	-
Urine		1	-
Waste water each kind (also strongly sour, however without organic solvents)		-	-
Water		1	1
Water, distilled/desalted		1	1
Wax alcohol	techn. pure	1	-
Wine vinegar		1	1
Wine vinegar		1	1
Wine vinegar		-	-
Wine vinegar	aqueous	-	-
Wines		1	1
Xylene		-	-
Yeast	any	1	-
Zinc chloride	10 %	-	-
Zinc chloride	aqueous	-	-
Zinc sulphate	10 %	1	1
Zinc sulphate	aqueous	1	1