Chemical resistance

Medium (aq = in an aqueous solution)	PUR	Nylon	PE	PVDF	PVC	PP	TPE
Acetic acid	3	4	2	3	3	2	3
Actic acid anhydride	4	1	3	4	4	1	2
Acetone	4	1	1	3	5	1	2
Aluminium salts, aq	2	1	4	1	1	1	1
Alums, aq	1	1	1	1	1	1	1
Aminobenzoic acid	4	2	1	2	3	1	3
Ammonia, aq	4	1	1	4	1	1	1
Ammonia g	1	1	1	2	1	1	1
Ammonium acetate,aq	4	1	1	3	1	1	2
Ammonium carbonate, aq	4	1	1	1	1	1	1
Ammonium chloride, aq	1	1	1	1	1	1	1
Ammonium nitrate, aq	1	1	1	1	1	2	2
Ammonium phosphate, aq	1	1	1	1	1	1	1
Ammonium sulfate, aq	1	1	1	1	1	1	1
Amylalcohol	2	1	1	1	1	1	1
Antifreeze	2	1	1	1	1	1	1
Barium salts	1	1	1	1	1	1	1
Battery acid	1	3	1	1	3	1	1
Beef tallow	1	1	1	1	2	1	1
Beer	1	1	1	1	1	1	1
Benzaldehyde	3	1	1	1	3	2	3
Benzoic acid	4	1	1	1	3	1	3
Benzoic acid, aq	4	1	1	1	1	2	2
Bone fat	1	1	2	1	3	1	1
Boric acid	1	1	1	1	1	2	3
Brake fluid	4	1	3	1	3	1	1
Bromine, aq	4	4	4	1	4	4	4
Bromine, l	4	4	4	1	4	4	4
Butane, g	1	1	4	1	1	1	1
Butane, l	1	1	1	1	2	1	1
n-Butanol	4	1	4	1	3	2	3
n-Butyl alcohol	4	4	4	1	4	1	4
Butylacetate (acetic acid butyl ester)	4	1	4	2	5	4	5
Butylacetate	4	1	2	3	4	2	4
Calcium chloride, aq	1	1	1	1	1	1	1
Calcium nitrate, aq	1	1	1	1	1	1	1
Carbon disulfide	3	1	4	1	4	4	4
Carbon tetrachloirde	3	1	4	1	4	4	4
Carnation oil	1	1	4	1	2	2	3
Chlorine, g	4	4	4	1	4	4	4
Chlorine, l	4	4	4	1	4	4	4
Chlorobenzoic acid	3	3	4	1	4	4	4
Chroloroform	4	3	4	1	4	4	4
Chlorosulfonic acid	4	4	4	1	4	3	4
Chrome badh	3	4	1	1	1	2	3
Chromic acid	4	4	2	1	3	2	4
Chromsulfuric acid	3	4	1	1	2	4	4
Chromium salts	3	1	1	1	1	1	1
Citric acid	2	1	1	1	1	1	2
Cleaner	1	1	1	1	1	1	1
Coca-Cola®	1	1	1	1	1	1	1

Medium (aq = in an aqueous solution)	PUR	Nylon	PE	PVDF	PVC	PP	TPE
Cocoa	1	1	1	1	1	1	1
Coconut oil	1	1	2	1	1	2	3
Cod-liver oil	1	1	1	1	4	2	3
Coffee	1	1	1	1	1	1	1
Cooking oil, animal	2	1	3	1	2	1	1
Cooking oil, vegetable	2	1	4	1	2	1	1
Corn oil	2	1	4	1	1	2	3
Cresol	4	4	4	1	4	2	3
Cresol, aq	4	3	4	1	4	3	4
Cyclohexane	2	1	1	1	1	3	4
Cyclohexanol	4	1	1	1	5	4	4
Cyclohexanone	1	1	4	3	5	4	5
Decalin®	2	1	1	1	1	3	4
Detergent	1	1	1	1	2	1	1
Dibutyl phtalate	3	1	3	1	3	2	3
Diesel fuel	1	1	2	1	2	2	3
Dimethylether	2	1	2	2	2	4	4
Dimethylformamide	4	1	1	5	4	1	2
1,4-Dioxane	4	1	1	3	4	3	4
Engine oil	2	1	3	1	3	2	3
Ethanol	1	1	1	1	3	1	1
Ether	3	1	4	1	3	4	4
Ethyl acetate	4	1	2	3	5	4	5
Ethylene chloride	2	3	4	1	4	3	4
Ethylhexanol	4	1	4	1	4	1	2
Ferric salts	2	1	1	1	1	1	1
Fizzy drink	1	1	1	1	1	1	1
Formaldehyde, aq	2	3	1	1	3	1	2
Formaline	2	3	1	1	2	2	3
Formic acid	4	4	2	1	4	3	3
Fruit juice	1	1	1	1	1	1	1
Fuel	2	1	4	1	4	3	3
Fuel oil	1	1	3	1	4	2	3
Gin	1	1	1	1	2	1	1
Glycerine	1	1	1	1	1	1	1
Glycol	2	1	1	1	1	1	1
Heptane	2	1	1	1	1	2	3
Hexane	2	1	1	1	1	3	4
Honey	1	1	1	1	1	1	1
Hydrochlorid acid (up to 20%)	2	4	1	1	2	2	3
Hydrochloride, g	2	4	1	1	2	2	3
Hydrogen peroxide, aq	2	2	1	1	3	4	4
Ink	1	1	1	1	1	1	1
Isooctane	1	1	4	1	1	2	3
Isipropanol	3	1	1	1	3	1	1
Jelly	1	1	1	1	1	1	1
Lactic acid	3	2	2	1	3	1	2
Lanolin	1	1	3	1	2	3	4
Lemon juice	1	1	1	1	1	1	2
Linseed oil	1	1	1	1	3	1	1
Liquors	1	1	1	1	2	1	1

Chemical resistance (at room temperature)
1 Excellent resistance | **2** Good resistance | **3** Medicore resistance | **4** Non-resistant | **5** Liable to dissolve

Medium (aq = in an aqueous solution)	PUR	Nylon	PE	PVDF	PVC	PP	TPE
Magnesium salts, aq	1	1	1	1	1	1	1
Margarine	1	1	3	1	1	1	1
Mercury	1	1	1	1	3	1	1
Mercury salts, aq	1	1	1	1	3	1	1
Methanol	2	1	1	1	3	1	1
Methyl ethyl ketone	4	1	4	3	3	1	2
Mathylene chloride	4	3	4	2	4	3	4
Milk	1	1	1	1	1	1	1
Mustard	1	1	1	1	1	1	1
Nail varnish	4	1	1	1	4	1	2
Nail varnish remover	4	1	1	1	4	2	3
Naphthalin	1	1	4	1	2	2	3
Nickel salts, aq	1	1	1	1	1	1	1
Nitric acid (up to 25%)	5	4	2	1	3	3	4
Nitrobenzoic acid	4	2	4	1	4	3	4
Octane	1	1	1	1	4	1	2
Oil no. 3 (ASTM D390-59)	1	1	3	1	2	1	3
Oleic acid	1	2	2	1	2	2	3
Olive oil	1	1	1	1	2	1	1
Oxalic acid, aq	4	2	1	1	3	1	1
Ozone (<0,5 ppm)	1	1	4	1	3	3	4
Palm oil	2	1	4	1	3	3	3
Paraffin	2	1	3	1	1	1	1
Paraffin ether	1	1	4	1	3	4	4
Paraffin oil	2	1	3	1	1	2	3
Paraffin oil (petroleum jelly)	2	1	3	1	2	2	2
Pectin	1	1	1	1	1	1	1
Pepper	1	1	1	1	1	2	2
Peppermint oil	1	1	3	1	2	1	2
Perfume	1	1	1	1	4	2	2
Phenol	4	4	4	1	4	1	2
Phosphoric acid	3	4	4	1	1	2	3
Phosphorus pentoxide	2	3	1	1	1	1	1
Pine needle oil	2	1	2	1	2	1	2
Potassium carbonate	3	1	1	4	1	1	1
Potassium chlorate, aq	2	2	1	1	1	1	1
Potassium chloride, aq	1	1	1	1	1	1	1
Potassium chromate, aq	1	3	1	1	1	1	1
Potassium hydroxide, aq	1	1	1	1	2	1	3
Potassium iodine, aq	2	1	1	1	1	1	1
Potassium nitrate, aq	2	1	1	1	1	1	1
Potassium permanganese, aq	3	3	1	1	1	1	1
Potassium sulfate	1	1	1	1	1	1	1
Propane, g	2	1	3	1	1	2	3
Propane, l	2	1	4	1	1	2	3
Pyridine	5	1	1	3	4	3	4
Rum	1	1	1	1	2	1	1
Sea water	1	1	1	1	1	1	1
Shampoo	1	1	1	1	1	1	1
Silicon oil	1	1	1	1	4	1	1
Siver salts, aq	1	1	1	1	1	1	1

Medium (aq = in an aqueous solution)	PUR	Nylon	PE	PVDF	PVC	PP	TPE
Soapy water	2	1	1	1	1	1	1
Soda	1	2	1	1	1	1	1
Sodium bicarbonate, aq	1	1	1	1	1	1	1
Sodium bisulfite, aq	2	1	1	1	1	1	1
Sodium carbonate (borax), aq	1	1	1	1	1	1	1
Sodium carbonate, aq	1	1	1	1	1	1	1
Sodium chlorate	2	2	1	1	1	1	1
Sodium chloride, aq	1	1	1	1	1	1	1
Sodium hydroxide (caustic soda)	4	1	4	4	4	1	1
Sodium hydroxide , aq	2	1	1	4	1	1	1
Sodium hypochlorite	4	3	1	1	3	3	3
Sodiuim nitrate, aq	1	1	1	1	1	1	1
Sodium nitrite, aq	1	2	1	1	1	1	1
Sodium perborate, aq	2	1	1	1	3	1	1
Sodium phosphate, aq	2	1	1	1	1	1	1
Sodium silicate	3	1	1	1	1	1	1
Sodium sulfate, aq	1	1	1	1	1	1	1
Sodium sulfide, aq	1	1	1	4	1	1	1
Sodium sulfite, aq	1	1	1	1	1	1	1
Sodium thiosulfate	2	1	1	1	1	1	2
Sodium thiosulfate (antichlor), aq	2	1	1	1	1	1	1
Soybean oil	2	1	4	1	2	1	1
Spruce needle oil	2	1	2	1	3	1	2
Starch	1	1	1	1	1	1	1
Stearic acid	1	2	4	1	1	2	3
Sugar, aq	1	1	1	1	1	1	1
Sulfur	1	1	4	1	4	1	1
Sulfuric acid (concentrated)	4	4	4	4	4	4	4
Sulfuric acid (up to 50%)	2	4	1	1	3	2	3
Sulfur dioxide, g	3	1	1	1	2	4	4
Tar (hot tar)	4	1	3	1	3	2	3
Tartaric acid, aq	1	1	1	1	1	1	1
Tea	1	1	1	1	1	1	1
Tetrahydrofuran	4	1	3	2	4	3	4
Tetralin® (tetrahydronaphthalene)	2	1	4	2	1	4	4
Tin dichloride	1	1	1	1	1	1	1
Toluene	4	1	4	1	4	3	4
Trichloroethylene	4	2	4	1	4	4	4
Turpentine (oil of)	4	1	3	1	3	4	4
Urea, aq	1	1	1	1	1	1	1
Vanilla	1	1	1	1	1	1	1
Vaseline	1	1	3	1	2	2	3
White spirit	1	1	4	1	3	3	4
Wine	1	1	1	1	1	1	1
Xylene	4	1	4	1	4	4	4

This table has been compiled on the basis of in-house tests, the recommendations of our raw material suppliers and customer experience. Differences in user environments will affect the performence characteristics of the product in different ways.
The ratings given above are therefore approximative only. If the product is being used in a particular setting for the first time, it is advisable to test the product in the proposed user environment, especially if it will be coming into contact with combinations of substances.