

Rigid PVC Resistance to Chemical Agents

Chemical	Concentration	Temp. °C	Resistance	Chemical	Concentration	Temp. °C	Resistance
Acetic acid, hydrous	25%	40	+	Hexane		20	+
Acetic acid	100%	20	0	Hydrochloric acid	30%	40	+
Acetone	traces	20	–	Hydrogen	100%	60	+
Acetone	100%	20	–	Lead acetate, hydr.	saturated	50	+
Acqua regia		20	0	Lead tetra-ethyl	100%	20	+
Aluminium chloride, hydrous	thinned	40	+	Linseed oil	100%	60	0
Aluminium sulphate, hydr.	thinned	40	+	Lubricating oils	100%	20	+
Ammonia, concentrate	saturated	40	+	Methanol	100%	40	+
Ammonia, dry gas	100%	60	+	Milk	normal	20	+
Ammonia, liquid	100%	20	0	Mineral oil	100%	20	+
Aniline, pure	100%	20	–	Molasses		20	+
Antifreeze	commercial	20	+	Naphtalene		20	–
Arsenic acid, hydr.	thinned	40	+	Nitrous acid, liquid	30%	50	+
Barium hydroxide, hydr.		60	+	Oils and fats	commercial	60	+
Barium salts, hydr.		60	+	Oil of turpentine	100%	60	0
Beer	commercial	20	+	Ozone	100%	20	+
Bee's wax	commercial	20	+	Paraffin wax		60	+
Benzene	100%	20	+	Petroleum		20	0
Benzoic acid		20	+	Photographic developer	commercial	40	+
Bleaching lye	usual conc.	40	+	Photographic emulsions	commercial	40	+
Borax, hydrous	thinned	40	+	Potash lye, hydrous	40%	40	+
Boric acid, hydr.	thinned	40	+	Patassium permanganate	6%	20	+
Brandy	commercial	20	+	Propane, liquid	100%	20	+
Bromine, liquid	100%	20	–	Prussic acid		60	+
Butane, gaseous		20	+	Salicylic acid		60	+
Butadiene	50%	60	+	Sea water		60	0
Butanol	10%	20	+	Sebacic acid	100%	60	+
Butyric acid, hydr.	20%	20	+	Silicone oil	100%	20	+
Calcium chloride		60	0	Soda, hydrous	thinned	40	+
Camphor oil	100%	20	+	Sodium chloride	thinned	40	+
Carbon tetrachloride	100%	20	0	Spirits, all types	commercial	20	+
Carbon dioxide, dry	100%	60	+	Succinic acid, hydrous		60	+
Chlorine, gaseous, dry	100%	20	+	Sulphur		60	0
Chlorine, gaseous, moist	0.5%	20	+	Sulphuric acid, hydrous	40%	40	+
Chlorine, liquid		20	–	Tannic acid	10%	60	0
Chlorine water	saturated	20	0	Tetrahydrofuran	100%	20	–
Chromic acid, hydr.	50%	40	+	Toluene	100%	20	–
Citric acid, hydr.	10%	40	+	Tincture of Iodine	commercial	20	–
Copper sulphate, hydr.	thinned	40	+	Urea, hydrous	10%	40	+
Diesel oil	100%	20	+	Urine		40	+
Ethyl-alcohol	96%	20	+	Vaseline oil	100%	20	–
Formaldehyde, hydr.	thinned	40	+	Vinegar	commercial	40	+
Formic acid	100%	20	+	Water	100%	40	+
Freon 12	100%	20	+	Water steam		40	0
Gasoline	100%	60	+	Wines, red and white	commercial	20	+
Gelatin, hydr.		40	+	Zinc salts	saturated	60	0
Glycerine, hydr.		60	+	Zinc sulphate, hydrous	thinned	40	+
Heating oil		20	0				

+ Resistant, 0 Resistant in certain conditions, – Unsuitable