

Table 5: RMAX Isolite® Chemical Resistance Table

Behaviour of Isolite® at 20°C + = resistant / = limited resistance - = non-resistant

Test Medium		Test Medium		Test Medium	
Acetic acid 50%	+	1,4-Dioxane	-	Petroleum	-
Acetic acid 100% (glacial)	-	Dwarf pine oil	-	Petroleum ether	-
Acetic anhydride	-	Ethane, gas	+	Phenol	/
Acetone	-	Ethanol	+	Phosphoric acid 87%	+
Acetonitrile	-	Ether (diethyl ether)	-	Potassium hydroxide conc.	
Acetonyl alcohol	+	Ethyl acetate	-	(caustic potash solution)	+
Acrylonitrile	-	Ethyl benzene	-	Propane liquid	-
Adhesive, water-soluble	+	Ethylene glycol	+	Propane, gas	+
Allyl alcohol	+	Ethylene oxide	-	i-Propyl alcohol	+
Aluminum acetate solution	+	Fertilizer salts	+	n-Propyl alcohol	+
Ammonia (aqueous)	+	Formaldehyde 30%	+	Propylene	-
Amyl acetate	-	Formic acid	+	Propylene Chloride	-
Amyl alcohol	+	Glycerol	+	Propylene glycol	+
Anhydrite	+	Glycol ether	-	Pyridine	-
Aniline	-	Glycols	+	Sand	+
Animals oils and fats	/	Gypsum	+	Seawater	+
Benzene	-	Heavy gasoline/petrol	-	Silicone oil	+
Benzyl alcohol	-	Heptane	-	Soda solution	+
Bitumen, solvent-free (air-blown)	+	Heptyl alcohol	+	Sodium carbonate	+
Bleach liquor (12% chlorine)	+	Hexachlorocyclohexane	-	Sodium carbonate solution	+
Borax solution	+	Hexane	-	Sodium chloride solution	+
Boric acid solution	+	Humic acide	+	Sodium chromate solution	+
Bromine, liquid	-	Hydrochloric acid up to 35%	+	Sodium hydrosulphite	+
Butadiene	-	Hydrofluoric acid 40%	+	Sodium hypochlorite solution	+
Butane	-	Hydrogen peroxide 3%	+	Sodium hypochlorite solution	+
Butanol	+	Isobutanol	+	(12.5% chlorine)	
Butyl acetate	-	Isopropanol	+	Sodium phosphate solution (dibasic)	+
n-Butyl alcohol	+	Lactic acid	+	Sodium phosphate solution (tribasic)	+
Calcium hypochlorite solution	+	Lanolin	/	Sodium sulphite solution	+
Carbon dioxide, solid	+	Light gasoline/petrol	-	Special boiling point spirits	-
Carbon monoxide	+	Lime	+	Styrene	-
Carbon tetrachloride	-	Lime water	+	Sugar solution 30%	+
Carbonic acid	+	Linseed oil	/	Sulphur dioxide	-
Caustic soda solution	+	Mercury	+	Sulphuric acid 50%	+
Cement	+	Methane, gas	+	Sulphuric acid up to 95%	+
Chlorine water	/	Methanol	+	Tartaric acid solution	+
Chlorofluorocarbons:		Methyl chloride	-	Tetrachloroethane	-
Difluorodichloromethane	-	Methyl ethyl ketone	-	Tetrahydrofuran	-
Difluoromonochloromethane	-	Methyl isobutyl ketone	-	Tetrahydronaphthalene	-
Monofluorotrichloromethane	-	Methyl isopropyl ketone	-	Toluene	-
Trifluorotrichlorethane	-	Methyl propyl ketone	-	Trichlorobenzene	-
Tetrafluorodichloroethane	-	Methylene chloride	-	Trichlorethane	-
Chloroform	-	Milk	+	Trichloroethylene	-
Citric acid	+	Monochlorobenzene	-	Trichlorophenol	-
Cod liver oil	/	Naphthalene (vapour)	-	Tricresyl phosphate	-
Common salt	+	Natural gas	+	Triethylamine	-
Cottonseed oil	+	Nitric acid conc.	/	Triglycol acetate	-
Cyclohexane	-	Nitric acid 30%	+	Turpentine	-
Cyclohexanol	+	Nitrogen	+	Vaseline	-
Cyclohexanone	-	Noble gases	+	Vegetable oils and fats	+
Decahydronaphthalene	-	Olive oil	/	Vinegar, table	+
Dibutyl phthalate		Paints, water-soluble	+	Water	+
Dichlorobenzene		Paraffin oil	/	Water paints	+
Diesel fuel, heating oil	-	Peanut oil	+	Water glass	+
Diethyl ether	-	Pentane	-	Wax (bleached)	+
Diethyl ketone	-	Perchloroethylene		White spirit	-
Diethylene glycol	+	(tetrachloroethylene)	-	Xylene	-
Dimethylformamide	-	Petrol, super grade	-		