

RESISTANCE OF POLIMAC® TO CHEMICALS

Substance	Concentration	PoliMac®
		performance Ambient Temp.
Acetone	Tecn. pure	+
Acid - Acetic	100%	+
Acid - Adipic; dilute	Saturated	+
Acid - Arsenic; dilute	Full	+
Acid - Benzoic; dilute	Full	+
Acid - Boric; dilute	Full	+
Acid - Citric; dilute	Saturated	+
Acid - Hydrochloric; dilute	Full	+
Acid - Formic; dilute	85%	+
Acid - Phosphoric; dilute	80% / 95%	+
Acid - Methacrylate		+
Acid - Metasulphuric	50%	+
Acid - Muriatic; dilute	Full	+
Acid - Nitric	60%	/
Acid - Hypochlorous; Dilute	70%	+
Acid - Salicylic		+
Acid - Sulphuric; Dilute	Up to 80%	+
Acid - Sulphuric; Dilute	98%	/
Acid - Uric		+
Acid - Aromatic		+
Adobo liquid		+
Liquid Ammonia	Full	+
Chlorine water		+
Bromine water	Saturated cold	+
Lime water		+
Distilled water		+
Sea water		+
Hydrogen Peroxide; Dilute	90%	+
Potable water		+
Salt water	Saturated	+
Turpentine		+
Camphor		/
Benzyl alcohol		+
Butyl alcohol		+
Ethyl alcohol	96%	+

Substance	Concentration	PoliMac®
		performance Ambient Temp.
Ethyl alcohol + acetic acid	Usual	+
Phenylethyl alcohol		+
Methyl alcohol		+
Bleaches		+
Softeners		+
Ammonia		+
Ammonium Chloride	Full	+
Anti foaming agents		+
Antifreeze	Commercial	+
Asphalt		+
Sulphur		+
Electrolyte baths		+ to /
Benzaldehyde: in isopropyl alcohol	1%	+
Benzaldehyde; dilute	Full	+
Benzene	Tecn. Pure	/
Polish		+
Borax (Sodium tetraborate)	Saturated	+
Sodium Bromide		+
Bromine	100%	-
Chlorinated Lime		+
Lime		+
Lime water		+
Ketones		+ to /
Lead Acetate	Full	+
Calcium Chloride		=
Sodium Chloride	Full	+
Diesel		+
Colorants		+ V
Dispersants		+
Bis (2-ethylhexyl) phthalate		+
Pesticides	Usual practice	+
Detergents		+
Washing detergents	Regular	+
Synthetic detergents	Conc. in use	+
Sulphur Dioxide	Full	+

Substance	Concentration	PoliMac® performance Ambient Temp.
Acrylic Acid emulsion		+
Emulsifiers		+
Zinc Stearate		+
Esters		+
Ethanol	96%	+
Ether		+ to /
Petroleum Ether		+
Isopropyl Ether		+ to /
Ethylene		+
Phenol		+
Fertilisers	Full	+
Hydraulic fluid		+
Brake fluid		+
Formaldehyde	40%	+
Common petrol/gasoline		+
Testing gasoline	Tecn. pure	+
Gasoline / Benzene blend	80/20	+
Animal fat		+
Hydrogen	100%	+
Calcium Hydroxide; dilute		+
Potassium Hydroxide; dil.	Full	+
Sodium Hydroxide; dilute	Full	+
Latex		+
Yeast		+
Mercury		+
Methanol	Tecn. Pure	+
Naptha		+
Nickel		+
Nitrates	Full	+

Substance	Concentration	PoliMac® performance Ambient Temp.
Fuel oil		+
Soya oil		+
Mineral oil	With additives	+
Lubricating oil	Tecn. Pure	+
Vegetable/Animal oils		+
Oxygen	Full	+
Ozone	50pphm	/
Potassium Permanganate		+
Oil		+
Propane		+
Kerosene		+
Stain removers		+ to /
Soap		+
Bleaching soap	Full	+
Liquid soaps		+
Metal soaps		+
Fertilising salts; dilute	Full	+
Common salt	Full	+
Tallow	Tecn. pure	+
Caustic soda		+
Sodium Bicarbonate		+
Ammonia Solution	Full	+
Paints		+
Dyes	Commercial	+
Stain cleaner		+ to /
Urea	Up to 33%	+
Urine		+
Vinegar	Commercial	+
Zincs		+

Key

+ = Resistant	Tensile strength & strain at break unchanged	/ = Resistant with restrictions	Tensile strength & strain at break slightly reduced	- = Not resistant	Tensile strength & strain at break significantly reduced	V = possible discolouration
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