

Chemical Resistance

Chemischer Widerstand
R sistance Chimique
Resistencia Qu mica
Resistenza Chimica

CHEMICAL NAME	CONCENTRATION	TEMPERATURE	PA	PA 12C	POM C	POM H
Acetone	100	RT	A	A	A	A
Acetylchloride	100	RT	C	C	C	-
Acetylene	100	RT	A	A	A	-
Alkylbenzenoic	100	RT	A	A	A	-
Aluminium Salt of Mineral Acids	20	RT	B	B	B	-
Benzene	100	RT	A	A	A	A
	100	65	A	A	A	A
	100	80	A	A	A	-
Boric Acid	10	RT	B	B	B	-
Bromine	100	RT	C	C	C	-
Bromine Liquid	100	RT	C	C	-	-
Bromine Water	SS	RT	C	C	C	-
Butadiene	100	RT	A	A	A	-
Butane	100	RT	A	A	A	-
Butyl Glycol	100	RT	A	A	A	-
Calcium Carbonate	SS	RT	-	A	A	-
Calcium Chloride	SS	RT	B	A	A	-
	SS	100	C	A	A	-
Calcium Hydroxide	10	RT	A	A	A	A
	SS	RT	A	A	A	-
Carbon Dioxide	UD	RT	A	A	A	A
Chlorine (liquid)	100	RT	C	C	C	-
Chlorine (gas)	100	RT	C	C	C	-
Chlorobenzene	100	RT	A	A	A	-
	100	50	A	A	A	-
Chloroform	100	RT	C	-	C	-
Chlorosulfonic Acid	10	RT	C	-	C	-
Chromyl Chloride	100	RT	C	-	C	-
Citric Acid	10	RT	B	A	A	A
	10	50	B	B	C	-
Cyclohexane	100	RT	A	A	A	-
Detergent Solutions	100	RT	A	A	A	A
	100	80	A	A	A	-
Development Liquid	CA	RT	A	A	A	-
Dichlorobenzene	100	RT	A	A	-	-
Dichloroethane	100	RT	A	A	A	-
Dichlorotetrafluoroethane	100	RT	A	A	A	-
Diesel	CA	RT	A	A	A	-
	CA	85	A	A	A	-
Diethyl Glycol	100	RT	A	A	A	-
Dimethyl Ether	100	RT	A	A	A	-
Dimethylformamide	100	RT	A	A	A	A
Ethane	100	RT	A	A	A	A
Ethene	100	RT	A	A	A	-
Ethyl Acetate	100	RT	A	A	A	A
Ethyl Alcohol	40	RT	A	A	A	A
Ethyl Chloride	100	RT	B	B	A	-
Ethylene Glycol	100	RT	A	A	A	B
	100	60	-	-	B	-
	100	100	C	-	-	-
Fat (Vegetable Oil)	CA	RT	A	A	A	A
Fatty Acids	5	RT	A	A	A	A
	UD	RT	A	A	A	-

CHEMICAL NAME	CONCENTRATION	TEMPERATURE	PA	PA 12C	POM C	POM H
Formaldehyde (aq)	30	RT	B	B	A	A
Formaldehyde (gas)	100	RT	A	A	A	A
Formic Acid	2	RT	B	B	A	-
	2	100	C	C	C	-
	100	RT	O	-	C	C
Fruit Juice	CA	RT	A	A	A	-
Fuel Oil	CA	RT	A	A	A	A
Gas (Natural Gas)	CA	RT	A	A	A	A
Glycerine	UD	RT	A	A	A	-
Helium	100	RT	A	A	A	A
Heptane	100	RT	A	A	A	A
Hexane	100	RT	A	A	A	A
Hydraulic Oils	CA	RT	A	A	A	A
	CA	80	A	A	A	-
	CA	100	A	A	A	-
Hydrazine	100	RT	-	-	A	-
Hydrobromic Acid	10	RT	C	C	C	-
Hydrochloric Acid	1	RT	B	A	-	-
	2	RT	B	B	C	-
	2	100	C	C	C	-
	10	RT	C	B	C	C
	10	60	C	C	C	C
	10	80	C	C	C	C
	20	RT	C	C	C	C
	20	100	C	C	C	C
	30	RT	O	C	C	C
Hydrofluoric Acid	5	RT	C	C	C	-
	5	60	C	C	C	-
	50	RT	C	C	C	-
Hydrogen	100	RT	A	A	A	A
Hydrogen Chloride	100	RT	C	C	C	-
Hydrogen Peroxide	1	RT	C	A	A	A
	30	RT	C	B	B	A
	50	RT	C	B	C	A
	100	RT	C	C	C	C
Hydrogen Sulphide (aq)	10	RT	A	A	A	-
Hydrogen Sulphide (gas)	-	-	B	B	B	-
Inert Gases	100	RT	A	A	A	A
Iodine	100	RT	C	C	-	-
Isocyanate	100	RT	A	A	A	-
Isopropyl Alcohol	100	RT	A	A	A	-
Kerosene	CA	RT	A	A	A	A
	CA	60	A	A	A	-
	CA	85	A	B	A	-
Ketones (aliphatic)	100	RT	B	A	A	-
Lactic Acid	10	RT	A	A	A	-
	10	60	-	B	B	-
	90	RT	C	C	A	-
	90	60	C	-	C	-
Lubricating Greases	CA	RT	A	A	A	A
	CA	110	A	A	A	-
Lubricating Oils	CA	RT	A	A	A	A
Magnesium Salts	10	RT	B	A	A	-

- A Resistant - Little change in weight or dimensions, small effect on mechanical properties
 B Partially Resistant - Slow deterioration in mechanical properties overtime, Short exposure may be allowable.
 C Non Resistant - After a short period of time the mechanical properties of the material are seriously affected.
 O Dissolves
 RT Room Temperature (23°C)
 CA Commercially Available

EXCLUSION OF LIABILITY:

All information contained in this literature corresponds with our current knowledge. It does not constitute a legally binding guarantee. Final decisions as to the suitability of a product for a particular purpose are for the customer. Global EPP assume no liability in respect of application, conversion or use made of the information or the products, or any consequence thereof. Should any liability be incurred by us, this shall be limited to the value of the products supplied. Products described herein are not destined for use in human implant applications. Global EPP reserve the right to make technical alterations. Existing intellectual property rights must be observed.

CHEMICAL NAME	CONCENTRATION	TEMPERATURE	PA	PA 12C	POM C	POM H
Methane	100	RT	A	A	A	A
Methyl Chloride	100	RT	B	A	B	A
Milk	CA	RT	A	A	A	A
Mineral Oils	CA	RT	A	A	A	A
Motor Oils HD	CA	130	A	A	A	-
Naphtha	CA	RT	A	A	A	-
Naphthalene	100	RT	A	A	A	-
Naphthalenesulphonic Acid	100	RT	C	C	C	-
Nickel Salts	10	RT	A	A	A	-
Nitric Acid	1	RT	B	C	A	-
	2	RT	C	C	C	-
	5	RT	C	C	C	-
	10	RT	C	C	C	C
	10	60	C	C	C	C
	50	RT	O	C	C	C
Nitrobenzene	100	RT	B	B	B	-
	100	80	C	C	-	-
Nitrogen	100	RT	A	A	A	A
Nitromethane	100	RT	B	B	-	-
Nitrotoluene	100	RT	B	B	B	-
Octane	100	RT	A	A	A	-
Octene	100	RT	A	A	A	-
Oils (Ethereal)	CA	RT	A	A	A	A
Oils (Mineral, Vegetable)	CA	RT	A	A	A	A
Oleic Acid	100	RT	A	A	A	-
Oleum	100	RT	O	O	C	-
Oxalic Acid	10	RT	B	B	C	-
	100	RT	-	-	C	-
Oxygen	100	RT	A	A	A	A
Ozone	UD	RT	C	C	C	-
	20ppm	RT	B	B	B	-
Paraffin	CA	RT	A	A	A	-
Paraffin Oil	CA	RT	A	A	A	A
Petrol	CA	RT	A	A	A	A
	CA	65	A	A	A	A
	CA	80	A	A	A	A
Phenol	5	RT	C	C	-	-
	75	RT	O	C	-	-
	90	RT	O	C	C	C
Phosphoric Acid	1	RT	B	B	-	-
	3	RT	C	C	-	-
	3	80	C	C	-	-
	10	RT	C	C	A	C
	25	RT	C	C	B	C
	25	60	C	C	C	C
	50	RT	C	B	C	C
	85	RT	O	O	C	C
	85	60	O	O	C	C
Propane	100	RT	A	A	A	A
Propene	100	RT	A	A	A	A
Propionic Acid	5	RT	A	A	A	-
	10	RT	C	B	B	-
	50	RT	C	C	C	-

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Propylene Alcohol	100	RT	A	A	A	-
	100	100	O	O	-	-
Pyridine	UD	RT	A	A	B	B
	UD	80	B	B	-	-
Resorcinol	UD	RT	C	C	-	C
Resorcinol in Ethanol	50	RT	O	O	C	-
Sodium Acetate	10	RT	A	A	A	-
Sodium Bicarbonate	10	RT	A	A	A	-
Sodium Carbonate	10	RT	A	A	A	A
Sodium Chloride	10	RT	A	A	A	A
Sodium Hydroxide	1	RT	A	A	A	B
	1	60	-	-	A	C
	10	RT	A	A	A	C
	10	80	C	C	A	C
	20	RT	A	A	A	C
	20	100	C	C	A	C
	30	80	C	C	A	C
	50	RT	A	A	A	C
Sodium Hypochlorite	5	RT	B	A	-	-
	10	RT	C	A	C	C
	30	RT	C	B	C	C
Steam	UD	>100	C	C	B	-
Sulphur Dioxide	100	RT	B	A	C	-
Sulphuric Acid	1	RT	-	A	A	C
	5	RT	C	B	A	C
	10	RT	C	B	B	C
	10	60	C	B	C	C
	50	RT	C	C	C	C
	50	100	C	C	C	C
	80	RT	O	O	C	C
Tetrachloromethane	100	RT	A	A	B	A
	100	60	A	A	B	A
Toluene	100	RT	A	A	A	B
	100	50	A	A	A	B
	100	65	A	A	A	C
	100	100	A	A	A	C
Trichloroethane	100	RT	A	B	A	-
Trichloroethylene	100	RT	B	B	B	B
	100	60	C	C	B	-
	100	80	C	C	C	-
Turpentine Oil	CA	RT	A	A	A	A
Urea	5	RT	A	A	A	A
Uric Acid	10	RT	A	A	A	-
Urine	100	RT	A	A	A	-
Vinegar	CA	RT	C	A	A	-
Vinyl Chloride	100	RT	A	A	A	-
White Spirits	CA	RT	A	A	A	-
Wine and Spirits	CA	RT	B	A	A	-
Zinc Chloride	5	RT	-	A	A	C
	10	RT	B	A	A	C
	40	RT	C	A	B	C
	50	RT	C	A	A	C
	50	100	C	B	C	C

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