



Gammacril®

CHEMICAL RESISTANCE POLYCARBONATE

CHEMICAL PRODUCT	RESISTANCE
Acetaldehyde	-
Ethyl Acetate	-
Vinegar	+
Acetone	-
Acetic Acid up to 10%	+
Acetic Acid up to 25%	o
Acetic Acid over 25%	-
Citric Acid up to 10%	+
Hydrochloric Acid up to 10%	+
Hydrochloric Acid over 10%	o / -
Chromic Acid up to 20%	+
Hydrofluoric Acid up to 20%	+
Hydrofluoric Acid over 20%	o / -
Formic Acid up to 30%	o
Phosphoric Acid up to 10%	+
Lactic Acid up to 10 %	+
Nitric Acid up to 20%	o
Nitric Acid over 20%	o / -
Oleic Acid	+
Oxalic Acid up to 10%	+
Sulphuric Acid up to 50%	+
Sulphuric Acid up to 75%	o
Seawater	+
Distilled water	+
Hydrogen Peroxide up to 30%	+
Water	+
Allyl Alcohol	o
Amyl Alcohol	o
Benzyl Alcohol	-
Butyl Alcohol	+
Ethanol up to 96%	+
Isoamyl Alcohol	o
Isopropyl Alcohol	o
Methanol	-
Ammonia	-
Petrol	o
Premium Petrol	-
Benzol	-
Beer	+
Borax	+

CHEMICAL PRODUCT	RESISTANCE
Butter	+
Coffee	+
Cement	+
Kerosene	-
Cyclohexane	-
Cyclohexanol	o
Cyclohexanone	-
Chocolate	+
Chlorine Gas (Dry)	o
Chlorine Gas (Wet)	-
Chlorobenzene	-
Chloroform	-
Aluminum Chloride saturated sloution	+
Ammonium Chloride saturated solution	+
Calcium Chloride saturated solution	+
Ferric Chloride saturated solution	+
Magnesium Chloride saturated solution	+
Methylene Chloride	-
Potassium Chloride saturated solution	+
Sodium Chloride saturated solution	+
Zinc Chloride	+
Cresolo	-
Curry	+
Dekalin	+
Ethylene Dichloride	-
Dymethyl Formaldehyde	-
Dioxane	-
Heptane	+
Hexane	+
Ether	-
Petroleum Ether	o
Ethylic Ether	-
Phenol	-
Ammonium Fluoride	-
Formalin up to 10%	+
Freon® TF	+
Butyl Phthalate	-
Gasoline	+
Gypsum	+
Glycerine	o



CHEMICAL RESISTANCE POLYCARBONATE

CHEMICAL PRODUCT	RESISTANCE
Glycols	+
Ammonium Hydroxide	-
Potassium Hydroxide	-
Sodium Hydroxide	-
Sodium Hypochlorite up to 5%	+
Lanolin	+
Milk	+
Ligroin	+
Margarine	+
Mercury	+
Methyl ethyl ketone	-
Calcium Nitrate	+
Potassium Nitrate saturated solution	+
Sodium Nitrate	-
Nitrobenzene	-
Mineral Oil	+
Silicone Oil	+
Vegetable Oils	+
Paraffin	+
Soluble Oil for drill	-
Green Chromic Oxide	+
Paprika	+
Pepper	+
Potassium Permanganate up to	o
Petroleum Oil (Refined)	+

CHEMICAL PRODUCT	RESISTANCE
Pyridine	-
Polymer, not containing softener	+
Salt	+
Mustard	+
Aluminum Sulfate saturated solution	+
Magnesium Sulfate saturated solution	+
Sodium Sulfate saturated solution	+
Zinc Sulfate saturated solution	+
Styrol	-
Fruit Juices	+
Vegetables Juices	+
Tea	+
Heptane Tetrachloride	-
Carbon Tetrachloride	-
Tetrahydrofuran	-
Tetralin	-
Tincture of Iodine	o
Toluol	-
Turpentine	-
Trichloroheptane	-
Trichlorethylene	-
Vaseline	+
Wine	+
Whiskey	+
Xylene	-

Legend :

+	Resistant	No visible change in test specimen surfaces, not much change in mechanical properties
o	Limited resistance	Visible change in mechanical properties and in test specimen surfaces, such as swelling, cracking etc
-	Not resistant	Partial or complete dissolution of test specimens, breaking. Lose all mechanical properties