LIST OF THE CHEMICAL RESISTANCE OF THE POLYCARBONATE USED IN NEW GENERATION EKTOR PRODUCTS

• Almost non-corrosion (good) ▲ May be corrosion under some condition (common) × Corrosion (bad)

INORGANICS

SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE
Aluminium Chloride	•	Hydrofluoric Acid 10%	•	Potassium Nitrate	•
Aluminium Sulfate	•	Hydrochloric Acid (Conc.)	▲	Potassium Permanganate	•
Ammonia	×	Hydrogen Peroxide 30 %	•	Potassium Sulfate	•
Ammonium Fluoride	×	Isopropanol	•	Silver Nitrate	•
Ammonium Hydroxide	×	Lime, Chlorinated (paste) 5 %	•	Sodium Carbonate	•
Ammonium Nitrate	•	Lime, Chlorinated(sol.) 2 %	•	Sodium Chlorate	•
Ammonium Solution	×	Magnesium Chloride	•	Sodium Chloride	•
Ammonium Sulfate	•	Magnesium Sulfate	•	Sodium Hydroxide 5%	×
Ammonium Sulfide	×	Mercuric Chloride	•	Sodium Hypochlorite	•
Antimony Trichloride	•	Milk of lime	▲	Sodium Nitrate	×
Arsenic Acid 20 %	•	Nickel (II) Sulfate	•	Sodium Sulfate	•
Benzoic Acid	×	Nitric Acid 10 %	•	Sodium Sulfide	×
Benzyl Alcohol	×	Nitric Acid 20 %	•	Stannous Chloride	•
Brake Fluid	×	Nitric Acid (Conc.)	×	Sulfur	•
Caustic Potash 5 %	×	Ozone	×	Sulfuric Acid 10%	•
Caustic Soda 5 %	×	Phosphoric Acid 10 %	•	Sulfuric Acid 50%	•
Chrome Alum	•	Phosphorus Chloride	×	Sulfuric Acid (Conc.)	×
Chromic Acid 20%	•	Phosphorus Oxychloride	×	Sulfuryl Chloride	×
Copper Sulfate	•	Phosphorus Trichloride	×	Zinc Chloride	•
Cuprous Chloride	•	Potassium Bromate	•	Zinc Sulfate	•
Hydrochloric Acid 10%	•	Potassium Hydroxide 5 %	×		

ORGANICS

SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE
Acetadehyde	×	Cyclohexanol	▲	Methylene Chloride	×
Acetic Acid (Conc.)	×	Dimethyl Formamide	×	Methyl Methacrylate	×
Acetone	×	Dioxane	×	Nitrobenzene	×
Acrylonitrile	×	Ethylamide	×	Oleic Acid	•
Benzene	×	Ethylene Chlorohydrin	×	Oxalic Acid	•
Bromobenzene	×	Ethylene Chloride	×	Pentane	•
Butyl Alcohol	•	Ethylene Dichloride	×	Phenol	×
Butyric Acid	×	Ethylene Glycol	▲	Propionic Acid (Conc.)	×
Carbonic Acid	×	Ethyl Ether	×	Pyridine	×
Carbon Disulfide	×	Formic Acid 10 %	•	Styrene	×
Carbon Tetrachloride	×	Formic Acid (Conc.)	×	Tetrachloroethylene	×
Chlorobenzene	×	Freon	×	Tetrahydrofuran	×
Chloroform	×	Glycerol	•	Thiophene(Thiofuran)	×
Chlorothene	×	Isoamyl Alcohol	•	Toluene	×
Cresol	×	Lacquer	×	Xylene	×
Cyclohexanone	×	Lactic Acid 20 %	•		
Cyclohexene	×	Methyl Alcohol	×		

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MINERAL OILS					
SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE
Axle oil	•	Gasoline (high aromatic group)	×	Spindle oil	•
Compressor oil	•	Heating oil (mineral)	•	Silicon oil	•
Cutting oils	×	Paraffin oil	•	Transformer oil	•
Diesel oil	•	Pump oil	•	Turpentine	×

OTHERS					
SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE	SUBSTANCE	RESISTANCE
Borax	•	Detergent (non-ion)	•	Nutmeg oil	×
Cement	•	Insulating tape	•	Soap	•
Clove oil	×	Linseed oil	•	Vinegar	•
Detergent (cation)	•	Mustard oil	•	Water	•

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NOTE: The data contained in this document is for reference only
This document is subject to change without notice, E&OE

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SOURCES: Polymer Monthly (May, 1961), Makrolon® sheet: Enviromental Resistance (March, 2012)