

Chemical Resistance

CODE	DESCRIPTION	MED DENSITY 21°C	POLYETHYLENE 60°C
A	Acetic Acid (60%)	●	◆
	Alums (all types)	●	●
	Ammonia (100% dry gas)	●	●
	Ammonium Hydroxide	●	●
BP	Amyl Acetate (100%)	■	■
AP	Amyl Alcohol (100%)	●	
P	Amyl Chloride (100%)	■	■
BP	Aromatic Hydrocarbons	■	■
	Barium Hydroxide	●	●
BP	Benzene	■	■
	Brine	●	●
O	Bromide	■	■
B	Butter	■	■
	Calcium Hydroxide (conc)	●	●
	Calcium Hypochlorite (Bleach Solution)	●	●
BP	Camphor Oil	■	■
	Carbon Dioxide (all conc)	●	●
A	Caster Oil	●	●
BP	Chloroform	◆	■
A	Cider	●	●
A	Citric Acid	●	●
A	Cola Concentrates	●	●
A	Detergents, Synthetic	●	●
	Developers, Photo	●	●
A	Emulsions, Photo	●	●
A	Ethyl Alcohol (100%)	●	●
	Ferric Chloride (sat'd)	●	●
	Ferric Nitrate (sat'd)	●	●
A	Fish Solubles	●	●
	Fluosilic Acid (conc)	◆	◆
	Formic Acid (all conc)	●	●
A	Fruit Pulp	●	●
BP	Gasoline	◆	■
	Glucose	●	●
	Hydrochloric Acid (all conc)	●	●
	Hydrofluoric Acid (60%)	●	●
A	Inks	●	●

Key:

- O Oxidiser
- P Plasticiser
- B. Suspected stress crack agent
- A. Known stress crack agent
- Resistant
- ◆ Variable Resistance
- Not Resistant

Colour Range

- 1 White
- 2 Natural
- 3 Charcoal
- 4 Black
- 5 Beige
- 6 Wilderness



This table is an initial guide only. Please contact our sales department for further inquiries on 1300 062 064 concerning the suitability of your particular application.

Material Specifications:

The above table specifies the chemical resistance of Linear Low Density Polyethylene for a range of products at Ambient & Maximum operating temperatures.

For chemicals or contents not specified on this chart please contact Polymaster Industrial. Please ensure that all fittings & process components are adequately resistant to the contents of the container.

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CODE	DESCRIPTION	MED DENSITY 21°C	POLYETHYLENE 60°C
	Magnesium	●	●
	Hydroxide (9sat'd)		
A	Methyl Alcohol (100%)	●	●
	Milk	●	●
P	Mineral Oils	◆	■
	Molasses	●	●
O	Nitric Acid (70%)	●	■
O	Nitric Acid (95-98%)	■	■
	Planting Solutions		
A	Brass	●	●
A	Cadmium	●	●
A	Copper	●	●
A	Gold	●	●
A	Lead	●	●
A	Nickel	●	●
A	Silver	●	●
A	Tin	●	●
A	Zinc	●	●
	Potassium Dioxide (conc)	●	●
A	n-Propyl Alcohol	●	●
	Sea Water	●	●
A	Shortening	●	●
A	Soap Solution (any conc)	●	●
	Sodium Hydroxide (conc)	●	●
	Sodium Hypochlorite	●	●
A	Starch Solution (sat'd)	●	●
A	Stearic Acid (100%)	●	●
O	Sulphuric Acid (70%)	●	◆
O	Sulphuric Acid (80%)	●	■
	Sulphurous Acid	●	●
P	Turpentine	■	■
	Urea (0-30%)	●	●
A	Vegetable Oils	●	●
A	Vinegar	●	●
	Water	●	●
B	Wines	●	●