

CHEMICAL RESISTANCE

SPECIFIC TO THE 384 SERIES



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WARNING: The information in this chart has been supplied to LDPI, Inc. by other sources and is to be used ONLY as a guide in selecting light fixtures for appropriate chemical compatibility. Before permanent installation, test the light fixture with the chemicals and under specific conditions of your application. Variations in chemical behavior/handling due to factors such as temperature, pressure and concentrations can cause failure even though it passed an initial test.

CHEMICALS	LENS MATERIAL			GASKET	FIXTURE BODY
	GLASS	ACRYLIC (SHEET)	POLYCARBONATE	NEOPRENE	ALUMINUM
Acetic Acid	A	D	A	D	D
Acetone	A	D	D	D	A
Aluminum Chloride	A	A	A	A	D
Aluminum Sulfate	A	A	A	A	D
Ammonium Nitrate	A	A	D	A	B
Boric Acid (10%)	A	A	A	A	B
Brake Fluid	A	D	D	D	A
Calcium Chloride	A	A	A	A	C
Carbon Tetrachloride	A	D	D	D	A
Chlorine Water	A	A	D	A	B
Citric Acid	A	A	A	D	D
Cutting Fluid	A	A	A	A	D
Distilled Water	A	A	A	A	B
Ethyl Alcohol	A	D	A	A	A
Ethylene Glycol	A	A	A	A	A
Hydraulic Oil	A	A	B	D	A
Hydrochloric Acid (25%)	A	A	A	B	D
Isopropyl Alcohol	A	A	A	A	A
Kerosene	A	A	B	D	A
Liquid Soap	A	A	A	A	B
Methylene Chloride	A	D	D	D	A
Mineral Spirits	A	A	B	D	A
Motor Oil	A	A	A	D	A
Nitric Acid	A	A	C	D	D
Phosphoric Acid (25%)	A	A	A	A	D
Potassium Chloride (25%)	A	A	A	A	C
Sea Water	A	A	A	A	C
Sodium Chloride (25%)	A	A	A	A	B
Sulfuric Acid (25%)	A	A	A	D	D
Tanic Acid (10%)	A	A	A	A	D
Toluene	A	D	D	D	A
Turpentine	A	A	A	D	A
Unleaded Gasoline	A	A	D	D	A
Xylene	A	D	D	D	A

- A. Recommended Material for long term exposure.
- B. Satisfactory performance, functional after long term exposure, but cosmetic damage will occur.
- C. Short duration exposure only, subject to chemical attack and will deteriorate.
- D. Continuous exposure will cause deterioration of material.
Cleaning recommended if used in area containing chemicals.