

Polycarbonate Durability

CHARACTERISTIC	TEST CONDITION	EFFECT
Exterior Exposure	Excellent Chemical and Ultraviolet Resistance	-----
Tensile Strength	11,600 psi	No Effect
Temperature Resistance	290° F (147° C) for short periods of time	No Effect
Dimensional Stability	250° F (110° C) for 5 min. unrestrained	Less than .2% shrinkage
Chemical Resistance		
MEK	72 hr. immersion	Slight Effect
Ketones	72 hr. immersion	Slight Effect
Chlorinated Hydrocarbons	72 hr. immersion	Slight Effect
Weak Acids	72 hr. immersion	Slight Effect
3% Sodium Hydroxide	72 hr. immersion	Slight Effect
Common Alcohols	72 hr. immersion	Slight Effect
Aromatic Esters	72 hr. immersion	Slight Effect
Hydrocarbons	72 hr. immersion	Slight Effect
Ethers	72 hr. immersion	Slight Effect
Hydrochloric Acid	Elevated temperature & long duration	Some Degradation
Benzyl Alcohol	Elevated temperature & long duration	Some Degradation
Ammonia	12 hr. immersion	Substantial Degradation
Ammonium Hydroxide	12 hr. immersion	Substantial Degradation
10% Sodium Hydroxide	2 hr. immersion	Substantial Degradation
Fuming Nitric Acid	2 hr. immersion	Substantial Degradation

Technical data is provided for comparison purposes only. This data has been compiled from sources we believe to be accurate but cannot guarantee. Variable combinations of chemicals, temperature, pressures and chemical concentrations may produce varied results. Customer testing is recommended to determine actual suitability in any specific environment.

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