

Polycarbonate Mirror



Typical Properties

Property	Test Method	Units	Values
PHYSICAL			
Specific gravity	ASTM D 792	%	1.2
Water absorption	ASTM D 570		0.15
THERMAL			
Deflection temperature @ 264 psi	ASTM D 648	°F	270
@ 66 psi	ASTM D 648	°F	280
Coefficient of thermal expansion	ASTM D 696	In/(in-°F)	3.75 x 10 ⁻⁵
Coefficient of thermal	ASTM C 177	Btu-ft (hr-ft ² -°F)	0.1125
MECHANICAL			
Conductivity	ASTM D 638	psi	9,000
Tensile strength, yield	ASTM D 638	psi	9,500
Tensile modulus	ASTM D 638	°C (°F)	345,000
Compressive strength	ASTM D 695	psi	12,500
Flexural strength	ASTM D 790	psi	13,500
Flexural modulus	ASTM D 790	psi	345,000
Izod impact strength	ASTM D 256	Ft-lb/in. notch	12-16
FLAMMABILITY			
Horizontal burning	ASTM D 635	In	<1
Burning self ignition	ASTM D 1920	°F	1077
Temperature flash ignition			872

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.