

Polycarbonate Mirror Sheet Technical Data Properties

<i>Property</i>	<i>Test Method</i>	<i>Units</i>	<i>All Grades</i>
General			
Specific Gravity	D-792	%	1.2
Water Absorption	D-570	%	0.15
Thermal			
Deflection Temperature 264psi	D-648	deg F	270
66psi			280
Co efficient of Thermal Expansion	D-696	in/(in-deg F)	3.75 x 10 ⁻⁵
Co efficient of Thermal Conductivity	C-177	BTU-ft/(hr/ft2 - deg F)	0.1125
Mechanical			
Tensile Strength, Yield	D-638	psi	9,000
Tensile Strength, Ultimate			9,500
Tensile Modulus			345,000
Compressive Strength	D-695	psi	12,500
Flexural Strength	D-790	psi	13,500
Flexural Modulus			345,000
Izod Impact Strength	D-256	(ft - lb/in)/notch	12 - 16
Gardner Impact (12mm Diameter Dart)	D-5420	lb - in	> 320
Flammability			
Horizontal Extent of Burning	D-635	in.	<1
Horizontal Time of Burning		min.	<1
Self Ignition Temperature	D-1929	deg F	1077
Flash Ignition Temperature			872

This table is a valuable help in the choice of a material. The data listed here fall within the normal range of product properties. However, they are not guaranteed and they should not be used to establish material specification limits nor used alone as the basis of design.