

## Polycarbonate Mirrored Sheet

### PLASKOLITE

**FABBACK®** Plaskolite products are strong, lightweight thermoplastic materials that have developed a wide use as a replacement for glass mirror, especially where the risk of higher stresses is greater and where safety is a concern. Plaskolite mirrors can be used as a reflecting surface in decoration, visual merchandising and store design and frees creative designers from the esthetic and physical limitations of ordinary glass.

Polycarbonate mirrored sheets offer better strength, security and flame resistance. Polycarbonate mirror is available in 3mm and 6mm in 2440 x 1220 sheet. Plaskolite also offers this in See-thru (two-way) mirror, First surface (double sided) mirror and ARmadillo coating (anti-scratch) mirror. First surface mirror is manufactured to order.

Polycarbonate mirror may be saw cut, router cut or laser cut. A cutting service is available using our wall saw.



Property	Test Method	Units	All Grades
<b>General</b>			
Specific Gravity	ASTM D-792	%	1.2
Water Absorption	ASTM D-570		0.15
<b>Thermal</b>			
Deflection Temperature			
264 psi	ASTM D-648	°F	270
66 psi			280
Coefficient of Thermal Expansion	ASTM D-696	in/(in-°F)	3.75 x 10 <sup>-5</sup>
Coefficient of Thermal Conductivity	ASTM C-177	BTU-ft/(hr-ft <sup>2</sup> -°F)	0.1125
<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D-638	psi	9,000
Tensile Strength, Ultimate			9,500
Tensile Modulus			345,000
Compressive Strength	ASTM D-695	psi	12,500
Flexural Strength	ASTM D-790	psi	13,500
Flexural Modulus			345,000
Izod Impact Strength	ASTM D-256	ft.-lb/in. Notch	12-16
Gardner Impact (1/2" Diameter Dart)	ASTM D-5420	lb/in.	>320
<b>Flammability</b>			
Horizontal Extent of Burning	ASTM D-635	in.	<1
Horizontal Time of Burning		min.	<1
Self Ignition Temperature	ASTM D-1929	°F	1077
Flash Ignition Temperature			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 determine the suitability of our materials and suggestions before adopting them on a commercial scale.