

FABBACK® PETG Mirrored Sheet Properties

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.

PETG Mirror offers versatile fabrication properties with good impact strength, good design flexibility and speed of fabrication.

PETG Mirror is lightweight, flexible and available in 1mm to 3mm in 2440 x 1220mm sheet. The thinner gauge sheet is ideal for the fabrication of children's toys, cosmetic uses and office supplies.

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



Typical Properties

Physical Properties	ASTM Test Method	Units	Values
Physical			
Specific Gravity	D792	-	1.27
Mechanical			
Tensile Strength	D638	psi	6,990
Tensile Modulus	D638	psi	301,000
Flexural Strength	D790	psi	11,240
Flexural Modulus	D790	psi	309,000
Elongation	D638	%	75
Gardner Impact Strength	D3029 or D5420	in-lb	300 (no break)
Thermal			
Deflection Temperature @ 264 psi	D648	°F	145
Deflection Temperature @ 66 psi	D648	°F	164
Vicat Softening Point	D1525	°F	180
Coefficient of Thermal Expansion	D696	In/in/°F	0.00003
Electrical			
Dielectric Constant	D150	@100Hz	3.46
Dielectric Strength	D149	volts/mil	420
Volume Resistivity	D257	ohms/cm	6.0 x 10 ¹⁵

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.