

DATASHEET

PETG MIRROR

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 2440x1220mm sheet. The thinner gauge sheet is ideal for the fabrication of children's toys, cosmetic uses and office supplies.

Applications

- Retail Displays
- Lighting Applications
- Slatwalls
- Point of Purchase Displays
- Children's Toys
- Cosmetic Displays
- Food Service Industry

Availability

- Colour – Silver
- Type – Sheets
- Regularly produced in 3mm thickness

Typical Properties

General Properties	Method	Unit	Test Result
Physical Properties			
Specific Gravity	ASTM D-792		1.27
Mechanical Properties			
Gardner Impact Strength	ASTM D-3029	-	No break 300 in/lbs
Flexural Strength	ASTM D-790	psi	11,240
Flexural Modulus	ASTL D-790	psi	309,000
Tensile Strength	ASTM D-638	psi	6,990
Tensile Modulus	ASTM D-638	psi	301,000
Elongation 0125in (3mm thick)	-	%	75
Dielectric Constant	ASTM D-150	@ 100Hz	3.46
Dielectric Strength	ASTM D-149	Volts/mil	420
Volume Resistivity	ASTM D-257	Ohms/cm	6.0x10(15)
Thermal Properties			
Heat Distortion Temp @ 264psi	ASTM D-648	°F	145
Heat Distortion Temp @ 66psi	ASTM D-648	°F	164
Vicat Softening Point	ASTM D-1525	°F	180
Coefficient of Thermal Expansion	ASTM D-696	In/(in-°F)	0.00003