

DATASHEET

ACRYLIC MIRROR

Extruded acrylic mirror, at half the weight and five times the impact strength of plate glass mirror, offers all the benefits without the associated risk of breakages.

Applications

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

Availability

- Colour – Variety of Colours Available
- Type – Sheets
- Regularly produced in 3mm thickness

Typical Properties

General Properties	Method	Unit	Test Result
Physical Properties			
Relative Density	ASTM D-792		1.19
Water Absorption	ASTM D-570	%	0.4
Mechanical Properties			
Tensile Strength	ASTM D-638	psi	11,030
Tensile Modulus of Elasticity	ASTM D-638	psi	490,000
Flexural Strength	ASTM D-790	psi	17,000
Izod Impact Strength (molded notched)	ASTM D-256	Ft lb/in notch	0.4
Rockwell Hardness	ASTM D-785		M-95
Thermal Properties			
Maximum Service Temperature		°F	160
Softening Temperature		°F	210-220
Melting Temperature		°F	300-315
Deflecting Temperature @ 264psi (1.8MPa)	ASTM D-648	°F	203
Deflecting Temperature @ 66psi (0.45MPa)	ASTM D-648	°F	207
Coefficient of Thermal Expansion	ASTM D-696	In/(in-°F)	3.0 x 10(-5)
Flammability (Burning Rate)	ASTM D-635	In/minute	1.019
Smoke Density Rating	ASTM D-2843	%	3.4
Self-Ignition Temperature	ASTM D-1929	°F	833