

FABBACK[®] Acrylic Mirrored Sheet Properties

PLASKOLITE

FABBACK[®] acrylic sheet has a wide range of thicknesses, sizes and patterns. Available in over (20 colours) including clear and two textures for special design needs. FABBACK acrylic mirror utilises the industry's toughest protection back-coating to safeguard the sheet during fabrication. The mirrored surface is obtained through a vacuum metalising process with aluminum, which provides a superior reflecting surface.

FABBACK acrylic mirror is ideally suited for a variety of applications using standard plastic processes and techniques.

- ◆ Economical
- ◆ Does not shatter into sharp-edged pieces like glass
- ◆ Abrasion-resistant coating available
- ◆ Marine grade options

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

Typical Properties

Physical	Test Method	Units	Values
Specific Gravity/Relative Density	ASTM D-792		1.19
Water Absorption	ASTM D-570		%
Mechanical	Test Method	Units	Values
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 - Notched	ASTM D-256	ft lb/in Notch	0.4**
Rockwell Hardness	ASTM D-785		M-95**
Thermal	Test Method	Units	Values
Maximum Recommended Continuous Service Temperature		°F	160
Deflecting Temperature @ 264 psi (1.8 MPa)	ASTM D-648	°F	203**
Deflecting Temperature @ 66 psi (0.45 MPa)	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	1.0**
Smoke Density Rating	ASTM D-2843	%	3.4**
Self-Ignition Temperature	ASTM D-1929	°F	833**

*Typical Properties are not intended for specification purposes

** Applicable to the acrylic substrate