

Acrylic Mirror

Thermal	TEST METHOD	UNITS	FABBACK
Melting Temperature		°F	300-315
Self-Ignition Temperature	ASTM D-1929	°F	833
Smoke Density Rating	ASTM D-2843	%	3.4
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D-648	°F	207
Flammability (Burning Rate)	ASTM D-635	In/minute	1.019
Softening Temperature		°F	210-220
Maximum Recommended Continuous Service Temperature		°F	160
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D-648	°F	203
Coefficient of Thermal Expansion	ASTM D-696	in/(in-°F) x 10 ⁻⁵	3.0

Physical	TEST METHOD	UNITS	FABBACK
Specific Gravity/Relative Density	ASTM D-792		1.19
Water Absorption	ASTM D-570	% By wt	0.4

Mechanical	TEST METHOD	UNITS	FABBACK
Tensile Modulus of Elasticity	--	psi	**490,000
Izod Impact Strength – Molded Notch	ASTM D-256	ft-lb/in Notch	**0.4
Rockwell Hardness	ASTM D-785		**M-95
Flexural Strength	ASTM D-790	psi	**17,000
Tensile Strength	ASTM D-638	psi	**11,030

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.