

Acrylic Mirror Sheet



TYPICAL PROPERTIES

Physical	Test method	Units	VALUE
Specific gravity / relative density	ASTM D792		1.19
Water absorption	ASTM D570	%	0.4

Mechanical	Test method	Units	VALUE
Tensile strength	ASTM D638	psi	**11,030
Tensile modulus of elasticity	ASTM D638	psi	**490,000
Flexural strength	ASTM D790	psi	**17,000
Izod impact strength – molded notch	ASTM D256	ft-lb/in Notch	**0.4
Rockwell hardness	ASTM D785		**M-95

Thermal	Test method	Units	VALUE
Maximum recommended continuous service temperature		°F	160
Softening temperature		°F	210 – 220
Melting temperature		°F	300 – 315
Deflection temperature @ 264 psi (1.8 MPa)	ASTM D648	°F	203
Deflection temperature @ 66 psi (0.45 MPa)	ASTM D648	°F	207
Coefficient of thermal expansion	ASTM D635	in/in°F	3.0 x 10 ⁻⁵
Flammability (burning rate)	ASTM D635	in/minute	1.019
Smoke density rating	ASTM D2843	%	3.4
Self-ignition temperature	ASTM D1929	°F	833

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.