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	3.0×10^{-5}
Flammability (burning rate)	ASTM D635	in/minute	1.019
Smoke density rating	ASTM D2843	%	3.4
Self-ignition temperature	ASTM D1929	°F	833

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