Mirror Properties

Physical	Test method	Units	FABBACK
Specific Gravity/Relative Density	ASTM D-792 / ISO 1183		1.19
Water Absorption	ASTM D-570 / ISO 62	% By wt	0.4

Mechanical	Test method	Units	FABBACK
Tensile Strength	ASTM D-638 / ISO 527	psi	**11,030
Tensile Modulus of Elasticity	--	psi	**490,000
Flexural Strength	ASTM D-790 / ISO 178	psi	**17,000
Izod Impact Strength – Molded Notch	ASTM D-256 / ISO 180	ft-lb/in Notch	**0.4
Rockwell Hardness	ASTM D-785 / ISO 2039-2		**M-95

Thermal	Test method	Units	FABBACK
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 D-648 / ISO 75-2/A	°F	203
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D-648	°F	207
Coefficient of Thermal Expansion	ASTM D-696 / ISO 11359	in/(in-°F) x 10^{-5}	3.0
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

**Applicable to the acrylic substrate