

OPTIX® FROST acrylic sheet

OPTIX Frost is the ideal choice for a extruded acrylic sheet that delivers an elegant, textured surface on both sides. With a frosting additive incorporated throughout the sheet, OPTIX Frost can be easily fabricated without significant loss of frosted appearance, even at line bends.

APPLICATIONS

Room/office partitions, pantry/ cupboard doors, signage and POP displays

Typical Properties*			
Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity	ASTM D792	-	1.19
Light Transmission - Total	ASTM D1003	%	90
Water Absorption	ASTM D570	%	0.4
MECHANICAL			
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 - Notched	ASTM D256	ft-lb./in	0.4
Rockwell hardness	ASTM D785	-	M-95
THERMAL			
Maximum Recommended Continuous Service Temperature	-	°F	170-190
Deflection Temperature @ 264 psi @ 66 psi	ASTM D648	°F	203
	ASTM D648	°F	207
Coefficient of Thermal Expansion - 30 to 30°C	ASTM D696	in/in/°F	3.0 x 10 ⁻⁵
Flammability (Burning Rate)	ASTM D635	in/min	1.0
Smoke Density Rating	ASTM D2843	%	3.4
Self-Ignition Temperature	ASTM D1929	°F	833

*Typical properties are not intended for specification purposes

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 determines the suitability of our materials and suggestions before adopting them on a commercial scale.