

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

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