

Technical Specifications Face Layer

Property	Test Method	Units	Values
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PHYSICAL

Specific Gravity	ASTM D792		1.27
Optical Refractive Index	ASTM D542		1.57
Light Transmission- Total	ASTM D1003	%	86
Light Transmission- Haze	ASTM D1003	%	1
Water Absorption	ASTM D570	%	0.2

MECHANICAL

Tensile Strength	ASTM D638	psi	7,700
Tensile Modulus of Elasticity	ASTM D638	psi	320,300
Flexural Strength	ASTM D790	psi	11,200
Flexural Modulus of Elasticity	ASTM D790	psi	310,000
Izod Impact Strength – Milled Notch	ASTMD 256	Ft-lb/in Notch	1.7
Rockwell hardness	ASTM D785		R-115
Drop Dart Impact	ASTM D3763	Ft-lbs	22
Shear Strength	ASTM D732	psi	9,000
Compressive Strength	ASTM D695	psi	8,000

THERMAL

Deflection Temperature @ 264 psi	ASTM D648	°F	157
Deflection temperature @ 66 psi	ASTM D648	°F	164
Coefficient of Thermal Expansion	ASTM D696	In/in/°F	3.8 x 10-5
Flammability (Burning Rate)	ASTM D635	In/minute	0.06
Flammability	UL 94		HB
Smoke Density Rating	ASTM D2843	%	53.8
Self-Ignition Temperature	ASTM D1929	°F	880
Flame Spread Index	ASTM E84		85
Smoke Developed Index	ASTM D84		450
Glass Transition Temperature	ASTM D3418	°F	178

ELECTRICAL

Dielectric Constant @ 1 KHz	ASTM D150		2.6
Dielectric Constant @ 1 MHz	ASTM D150		2.4
Dielectric Strength	ASTM D149	Volts/mil	410

Technical Specifications 2nd Layer Layer

10 MIL WHITE BACKING FILM

10 mil white vinyl backing film with a high tack pressure sensitive adhesive. Ideal for trade show graphics, exhibit panels and a variety of other applications that require a semi-opaque, rigid white backing film.