PLASKOLITE

Thermal	TEST METHOD	UNITS	OPTIX-L
Flame Spread Index	ASTM E-84		140
Smoke Density Rating	ASTM D-2843	%	13.5
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D-648	°F	200
Coefficient of Thermal Expansion	ASTM D-696	in/(in-°F) x 10⁻⁵	3.5 E-05 in/in/˚F
Self-Ignition Temperature	ASTM D-1929	°F	750˚F
Forming Temperature		°F	280˚- 340˚F (138˚- 170˚C)
Thermal Conductivity	ASTM C-177	BTU-ft/(hr-ft²-°F)	1.45 Btu in/ft^2 hr. ˚F
Maximum Recommended Continuous Service Temperature		°F	175

Mechanical	TEST METHOD	UNITS	OPTIX-L
Dielectric Contstant @1mHz	ASTM D-150		2.7
Flexural Modulus of Elasticity	ASTM D-790	psi	461,000
Compressive Strength	ASTM D-695	psi	83,300
Dielectric Constant @1kHz	ASTM D-150		3
Shear Strength	ASTM D-732	psi	11,200
Volume Resistivity	ASTM D-257	ohms/cm	>3.912E+15 Ω/cm
Flexural Strength	ASTM D-790	psi	14,700
Tensile Modulus of Elasticity	--	psi	465,000
Rockwell Hardness	ASTM D-785		M-100
Tensile Strength	ASTM D-638	psi	11,000
Dielectric Strength	ASTM D-149	volts/mil	354

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

Physical	TEST METHOD	UNITS	OPTIX-L
Light Transmission -Total	ASTM D-1003	%	92%
Water Absorption	ASTM D-570	% By wt	0.2
Light Transmission - Haze	ASTM D-1003	%	Less Than 1%
Optical Refractive Index	ASTM D-542		1.49
Specific Gravity/Relative Density	ASTM D-792		1.19

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