

OPTIX LED Satin Sheet

Typical Properties

Physical	TEST METHOD	UNITS	OPTIX LED Satin
Water Absorption	ASTM D570	% by wt	0.4
Specific Gravity	ASTM D792		1.19

Mechanical	TEST METHOD	UNITS	OPTIX LED Satin
Tensile Modulus of Elasticity	ATSM D638	psi	490,000
Izod Impact Strength, Molded Notch	ASTM D256	ft-lb/in Notch	0.4
Rockwell Hardness	ASTM D785		M-95
Flexural Strength	ASTM D790	psi	17,000
Tensile Strength	ATSM D638	psi	11,030
Flexural Modulus of Elasticity	ASTM D790	psi	490,000

Thermal	TEST METHOD	UNITS	OPTIX LED Satin
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.0 x 10 ⁻⁵
Melting Temperature		°F	300-315
Self-Ignition Temperature	ASTM D1929	°F	833
Deflection Temperature, 264 psi	ASTM D648	°F	203
Deflection Temperature, 66 psi	ASTM D648	°F	207
Maximum Recommended Continuous Service Temperature		°F	170-190
Softening Temperature		°F	210-220
Smoke Density Rating	ASTM D2843	%	3.4
Flammability (Burning Rate)	ASTM D635	in/minute	1.0

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.

Questions? Please contact Plaskolite Customer Support 800-848-9124