

PLASKOLITE

Thermal	TEST METHOD	UNITS	MS-983
Coefficient of Linear Thermal Expansion (-30 to 30°C)	ASTM D696	mm/(mm-oC)	6 X 10 ⁻⁵
Melt Flow Rate	ASTM D1238	g/10 min	1.8
Vicat Softening Temperature	ASTM D1525	°F	215
Molding Shrinkage	ASTM D955	%	0.2-0.6
Heat Deflection Temperature Under Load (264 psi)	ASTM D648	°F	203

Mechanical	TEST METHOD	UNITS	MS-983
Tensile Strength	ASTM D638	psi	10,300
Rockwell Hardness	ASTM D785	M scale	95
Elongation	ASTM D638	%	4.2
Modulus of Elasticity	ASTM D638	psi	490000
Impact Strength – Falling Weight (1/8")	ASTM D5420 GB	in-lb	3
Flexural Modulus	ASTM D790	psi	490000
Impact Strength – Izod (Notched)	ASTM D256	ft-lb/in	>0.2
Flexural Strength	ASTM D790	psi	17000

Optical	TEST METHOD	UNITS	MS-983
Haze	ASTM D1003	%	<2
Refractive Index	ASTM D542	-	1.49
Luminous Transmittance	ASTM D1003	%	92

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Other	TEST METHOD	UNITS	MS-983
Relative Thermal Index	UL 746 ABC	°C	90
Flammability	UL 94	-	HB
3-Year Weathering	SAE J576 (AMECA)	-	Listed
Water Absorption	ASTM D570	%	0.4
Specific Gravity	ASTM D792	-	1.19

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