

GENERAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE
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Specific Gravity	ASTM D 792	gc/m ³	0.93
Water Absorption	ASTM D 570	%	<0.10

Mechanical Properties

Wear resistance	Sand-slurry		100
Hardness	ASTM D 2240	Shore D	62 - 66
Tensile Strength at yield 73°F	ASTM D 638	psi	3100
Tensile Modulus	ASTM D 638	psi	100000
Elongation at Break	ASTM D 638	%	>350
Flexural Strength	ASTM D 790	psi	3500
Compressive Strength	ASTM D 695	psi	3000
Izod Impact, Notched	ASTM D 256	ft-lb/in	No Break
Coefficient of Friction, Dynamic			0.10 - 0.22
Coefficient of Friction, Static			0.15 - 0.20
Izod Impact Strength	ASTM D 4020	KJ/m ²	125

Thermal Properties

CTE, linear	ASTM D 696	in/in/°F	1.1 x 10 ⁻⁴
Melting point	ASTM D 3418	°F	266 - 275
Vicat Softening Point	ISO 306	°F	176
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D 648	°F	108
Fammability, UL94		1/8 inch	HB

Electrical Properties

Volume Resistivity	ASTM D 257	Ωcm	>10 ¹⁵
Dielectric constant	ASTM D 150	1 MHz	2.3
Dielectric strength	ASTM D 149	KV/mm	45
Surface resistivity	ASTM D 257	Ω/cm	>10 ¹²

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