

GENERAL PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE
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Density	ASTM D 792	gc/m <sup>3</sup>	0.93 - 0.94
Water Absorption	ASTM D 570	%	<0.01

### Mechanical Properties

Wear resistance	Sand-slurry		90
Hardness	ASTM D 2240	Shore D	63 - 69
Tensile Strength at yield 73°F	ASTM D 638	psi	3000
Tensile Modulus	ASTM D 638	psi	100000
Elongation at Break	ASTM D 638	%	>290
Compressive Strength	ASTM D 695	psi	2800
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 - 0.25
Izod Impact Strength	ASTM D 4020	KJ/m <sup>2</sup>	96

### Thermal Properties

CTE, linear	ASTM D 696	in/in/°F	1.1 x 10 <sup>-4</sup>
Melting point		°F	266 - 275
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D 648	°F	116
Deflection temperature at 1.8Mpa (264psi)	ASTM D 648	°F	116
Fammability, UL94		1/8 inch	HB

### Electrical Properties

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 <sup>15</sup>
Surface resistivity	ASTM D 257	Ω/cm	>10 <sup>12</sup>

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