

Premium high strength electrical grade with excellent resistance to smoke generation, weathering, and corrosive environments.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
<b>Physical and Mechanical Properties</b>				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	14	ISO-179, kJ/m <sup>2</sup>	70
Flexural Strength	ASTM D790, PSI	18,000	ISO-178, MPa	124
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	8,000	ISO-527, MPa	55
Compressive Strength	ASTM D695, PSI	26,000	ISO-604, MPa	179
Water Absorption	ASTM D570, %	0.15	ISO-62, %	0.15
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.80	ISO-1183, --	1.80
Shrinkage	ASTM D955, IN/IN	--	ISO-2577, %	--
Hardness	ASTM D2583, Barcol	45 – 55	ASTM D2583, Barcol	45 – 55
Bulk Factor App.	ASTM D1895, --	2.5	ASTM D1895, --	2.5
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	290	ISO-243, kV/mm	11
Arc Resistance	ASTM D495, Seconds	187	ASTM D495, Seconds	187
<b>Thermal &amp; Flame Retardant Properties</b>				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.5mm	UL94	V-0	UL94	V-0

## www.idicomposites.com

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