

Electrical – UL recognized (E53587). Versatile family of compounds designed to meet the most demanding electrical and electronic applications. Excellent dielectric properties and arc/track resistance. Designed to meet critical impulse and corona specifications.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
<b>Physical and Mechanical Properties</b>				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	16	ISO-179, kJ/m <sup>2</sup>	80
Flexural Strength	ASTM D790, PSI	30,000	ISO-178, MPa	207
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	2.0	ISO-178, GPa	13.79
Tensile Strength	ASTM D638, PSI	16,000	ISO-527, MPa	110
Compressive Strength	ASTM D695, PSI	32,000	ISO-604, MPa	221
Water Absorption	ASTM D570, %	0.13	ISO-62, %	0.13
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.72	ISO-1183, --	1.72
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.10
Hardness	ASTM D2583, Barcol	40 – 45	ASTM D2583, Barcol	40 – 45
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	340	ISO-243, kV/mm	13
Arc Resistance	ASTM D495, Seconds	180+	ASTM D495, Seconds	180+
<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
@ 3.0mm	UL94	V-0	UL94	V-0

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