

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	ASTM D256, FT- LBS/IN	14	ISO-179, kJ/m <sup>2</sup>	70
Flexural Strength	ASTM D790, PSI	26,000	ISO-178, MPa	179
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	1.8	ISO-178, GPa	12
Tensile Strength	ASTM D638, PSI	14,000	ISO-527, MPa	97
Compressive Strength	ASTM D695, PSI	30,000	ISO-604, MPa	207
Water Absorption	ASTM D570, %	0.11	ISO-62, %	0.11
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.75	ISO-1183, --	1.75
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.1
Hardness	ASTM D2583, Barcol	35 – 40	ASTM D2583, Barcol	35 – 40
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	360	ISO-243, kV/mm	14
Arc Resistance	ASTM D495, Seconds	180+	ASTMD495, Seconds	180+
<b>Thermal &amp; Flame Retardant Properties</b>				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.2 mm		V-0		V-0
@ 1.5 mm	UL94	V-0	UL94	V-0
@ 3.0 mm		V-0		V-0

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