

Mechanical – Versatile family of compounds designed to meet a variety of mechanical, electro-mechanical, and corrosion applications. Outstanding structural properties at lowest possible costs.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
<b>Physical and Mechanical Properties</b>				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	23	ISO-179, kJ/m <sup>2</sup>	115
Flexural Strength	ASTM D790, PSI	38,000	ISO-178, MPa	262
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	2.0	ISO-178, GPa	14
Tensile Strength	ASTM D638, PSI	19,000	ISO-527, MPa	131
Compressive Strength	ASTM D695, PSI	36,000	ISO-604, MPa	248
Water Absorption	ASTM D570, %	0.15	ISO-62, %	0.15
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.62	ISO-1183, --	1.62
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.10
Hardness	ASTM D2583, Barcol	45 – 55	ASTM D2583, Barcol	45 – 55
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	300	ISO-243, kV/mm	12
Arc Resistance	ASTM D495, Seconds	--	ASTM D495, Seconds	--
<b>Thermal &amp; Flame Retardant Properties</b>				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.5mm		--		--
@ 3.0mm	UL94	--	UL94	--
@ 6.0mm		--		--

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