

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
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	18	ISO-179, kJ/m ²	90
Flexural Strength	ASTM D790, PSI	34,000	ISO-178, MPa	234
Flexural Modulus	ASTM D790, 10 ⁶ PSI	1.9	ISO-178, GPa	13
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 ³	1.70	ISO-1183, --	1.70
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.1
Hardness	ASTM D2583, Barcol	45 – 55	ASTM D2583, Barcol	45 – 55
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
Electrical Properties				
Dielectric Strength	ASTM D149, kV/in	340	ISO-243, kV/mm	13
Arc Resistance	ASTM D495, Seconds	--	ASTMD495, Seconds	--
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.5 mm		--		--
@ 3.0 mm	UL94	--	UL94	--
@ 6.0 mm		--		--

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