

A Thermoset polyester Sheet Molding Compound with excellent electrical and heat resistance properties. Formulated for high strength applications. Also has good dimensional stability and weathering/chemical resistance.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	11	ISO-179, kJ/m ²	55
Flexural Strength	ASTM D790, PSI	25,000	ISO-178, MPa	172
Flexural Modulus	ASTM D790, 10 ⁶ PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	6,500	ISO-527, MPa	45
Compressive Strength	ASTM D695, PSI	25,000	ISO-604, MPa	172
Water Absorption	ASTM D570, %	0.16	ISO-62, %	0.16
Specific Gravity	ASTM D792, G/CM ³	1.74	ISO-1183, --	1.74
Shrinkage	ASTM D955, IN/IN	0.002	ISO-2577, %	0.2
Hardness	ASTM D2583, Barcol	--	ASTM D2583, Barcol	--
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
Electrical Properties				
Dielectric Strength	ASTM D149, kV/in	323	ISO-243, kV/mm	13
Arc Resistance	ASTM D495, Seconds	183	ASTMD495, Seconds	183
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> --	ISO-75, °C	> --
Flame Resistance				
@ 1.5 mm		--		--
@ 3.0 mm	UL94	--	UL94	--
@ 6.0 mm		--		--

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