

Thermoset polyester-glass reinforced sheet molding compound with excellent electrical properties, high-strength, and V-0 flame resistance. Good moldability and produces molded parts with excellent surface finish. Used in electrical switchgear applications.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	16	ISO-179, kJ/m ²	80
Flexural Strength	ASTM D790, PSI	30,000	ISO-178, MPa	207
Flexural Modulus	ASTM D790, 10 ⁶ PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	16,000	ISO-527, MPa	110
Compressive Strength	ASTM D695, PSI	28,000	ISO-604, MPa	193
Water Absorption	ASTM D570, %	0.15	ISO-62, %	0.15
Specific Gravity	ASTM D792, G/CM ³	1.75	ISO-1183, --	1.75
Shrinkage	ASTM D955, IN/IN	0.2	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	400	ISO-243, kV/mm	16
Arc Resistance	ASTM D495, Seconds	180	ASTMD495, Seconds	180
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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