



DIELECTRITE 3550F BMC 30% Glass Reinforced

A thermoset polyester BMC with excellent electrical and heat resistance properties. Formulated for high-strength applications.

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	8,500	ISO-527, MPa	57
Compressive Strength	ASTM D695, PSI	24,000	ISO-604, MPa	166
Water Absorption	ASTM D570, %	0.1	ISO-62, %	0.1
Specific Gravity	ASTM D792, G/CM ³	1.80	ISO-1183, --	1.80
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.1
Hardness	ASTM D2583, Barcol	--	ASTM D2583, Barcol	--
Bulk Factor App.	ASTM D1895, --	3	ASTM D1895, --	3
Electrical Properties				
Dielectric Strength	ASTM D149, kV/in	300	ISO-243, kV/mm	12
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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