



DIELECTRITE Rosite 3550FC BMC

A multi-purpose electrical grade molding compound with a high impact strength.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	6	ISO-179, kJ/m ²	30
Flexural Strength	ASTM D790, PSI	16,500	ISO-178, MPa	114
Flexural Modulus	ASTM D790, 10 ⁶ PSI	1.7	ISO-178, GPa	12
Tensile Strength	ASTM D638, PSI	5,000	ISO-527, MPa	34
Compressive Strength	ASTM D695, PSI	20,000	ISO-604, MPa	138
Water Absorption	ASTM D570, %	0.10	ISO-62, %	0.10
Specific Gravity	ASTM D792, G/CM ³	1.94	ISO-1183, --	1.94
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	--	ASTMD495, Seconds	--
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 400	ISO-75, °C	> 204
Flame Resistance				
@ 1.5 mm		--		--
@ 3.0 mm	UL94	--	UL94	--
@ 6.0 mm		--		--

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