



DIELECTRITE 44-10 BMC 15 % Glass Reinforced

A chemical and weather resistant molding compound with moderate strength and good corrosion resistance, good electrical properties including flame and track resistance. U.L. recognized – E53587.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	4 – 5	ISO-179, kJ/m ²	20 – 25
Flexural Strength	ASTM D790, PSI	15 – 17,000	ISO-178, MPa	103 – 117
Flexural Modulus	ASTM D790, 10 ⁶ PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	6,000	ISO-527, MPa	41
Compressive Strength	ASTM D695, PSI	21,000	ISO-604, MPa	145
Water Absorption	ASTM D570, %	0.15	ISO-62, %	0.15
Specific Gravity	ASTM D792, G/CM ³	1.96	ISO-1183, --	1.96
Shrinkage	ASTM D955, IN/IN	0.001 – 0.003	ISO-2577, %	0.1 – 0.3
Hardness	ASTM D2583, Barcol	--	ASTM D2583, Barcol	--
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
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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