



## DIELECTRITE 44-10 BMC 20 % 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
<b>Physical and Mechanical Properties</b>				
Impact Strength	ASTM D256, FT- LBS/IN	8	ISO-179, kJ/m <sup>2</sup>	4
Flexural Strength	ASTM D790, PSI	20,000	ISO-178, MPa	138
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	8,000	ISO-527, MPa	55
Compressive Strength	ASTM D695, PSI	23,000	ISO-604, MPa	159
Water Absorption	ASTM D570, %	0.15	ISO-62, %	0.15
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.85	ISO-1183, --	1.85
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
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	350	ISO-243, kV/mm	14
Arc Resistance	ASTM D495, Seconds	180	ASTMD495, Seconds	180
<b>Thermal &amp; Flame Retardant Properties</b>				
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		--		--

# www.idicomposites.com

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