



DIELECTRITE E-205 SMC 25% Glass Reinforced

Thermoset polyester-glass reinforced sheet molding compound with excellent electrical properties, high strength, and V-0 flame rating. 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	15	ISO-179, kJ/m ²	75
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	14,000	ISO-527, MPa	97
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, %	20
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		--		--

www.idicomposites.com

The Americas

IDI Composites International
407 S. 7th Street
Noblesville, IN 46060 U.S.A.
317-773-1766
Fax: 317-773-3877
info@idicomposites.com

IDI Composites International
P.O. Box 400
Road #3, KM 151.8
Aguirre, Puerto Rico 00704
787-853-2186
Fax: 787-853-2187
lcruz@idicomposites.com

Asia/Pacific

IDI Composites International
No. 8, Lane 275, QianPu Road
New Eastern Section of
Sonjiang Industrial Park
Shanghai, 201611 China
86-21-51096910
Fax: 86-21-67601689
rrodriguez@idicomposites.com

IDI Composites International
Shenzhen Company, LTD.
Fucheng Industrial Park, Hongtian
Xingjiao, Sajing Town, Bao An
Shenzhen, China 518125
86-755-27229550
Fax: 86-755-27229554
rrodriguez@idicomposites.com

Europe

IDI Composites International
Unit One, Oldbury Park
Popes Lane
Oldbury, West Midlands
B69 4RG U.K.
44-121-552-0038
Fax: 44-121-543-5377
pqarland@idicomposites.com