

Property	Unit	Typical Properties	Test Method
Physical and Mechanical Properties			
Flexural Strength	psi	18,000-22,000	ASTM D-790
Tensile Strength	psi	6,000-7,000	ASTM D-638
Impact Strength, Notched Izod	ft. lb./inch	4-6	ASTM D-256
Compressive Strength	psi	21,000-22,000	ASTM D-695
Flexural Modulus X 10 ⁻⁶	Psi	-	ASTM D-790
Water Absorption	%	0.10	ASTM D-790
Specific Gravity		1.89	ASTM D-792
Shrinkage	mil/in.	1.0	ASTM D-955
Glass Fiber Content	%	20	
Electrical Properties			
Dielectric Strength	volts/mil	300	ASTM D-149
Arc Resistance	secs.	170-180	ASTM D-495
Volume Resistivity,	ohms x 10 ¹³	2.0	ASTM D-257
Dielectric Constant		5.15-5.35	ASTM D-150
@ 60 Hz		4.80-5.00	
Dissipation Factor			ASTM D-150
@ 10 ³ Hz		-	
@ 10 ⁶ H		-	
Thermal & Flame Retardant Properties			
Heat Deflection Temperature @ 264psi	°F	400	ASTM D-648
Conductivity, 10 ⁻⁴ Cal/sec/cm ² /deg C/cm		-	ASTM C-177
UL Temperature Index, Elec/Mech	°C	-	
Coefficient of Expansion, 10 ⁻⁵ in/in/°C		-	
Flame Resistance thickness	In.	94-V0 0.062	UL 94

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www.idicomposites.com

The Americas

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

Puerto Rico

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

Asia/Pacific

IDI Composites International
No. 79, 770 Wudi Road
Minhang District
Shanghai, 201106, P.R.C
86-21-526-30151
Fax: 86-21-526-30107
rrodriguez@idicomposites.com

IDI Composites International
Shenzhen Company, LTD.
P.O. Box 107
Fucheng Industrial Park
Hongtian, Xinqiao, Sajing Town
Bao An, Shenzhen, China 518125 P.R.C.
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 United Kingdom
44-121-552-0038
Fax: 44-121-543-5377
pgarland@idicomposites.co.uk