

Mechanical – Versatile family of compounds designed to meet a variety of mechanical, electro-mechanical, and corrosion applications. Outstanding structural properties at lowest possible costs.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	16	ISO-179, kJ/m ²	80
Flexural Strength	ASTM D790, PSI	32,000	ISO-178, MPa	221
Flexural Modulus	ASTM D790, 10 ⁶ PSI	1.9	ISO-178, GPa	13
Tensile Strength	ASTM D638, PSI	15,000	ISO-527, MPa	103
Compressive Strength	ASTM D695, PSI	31,000	ISO-604, MPa	214
Water Absorption	ASTM D570, %	0.11	ISO-62, %	0.11
Specific Gravity	ASTM D792, G/CM ³	1.74	ISO-1183, --	1.74
Shrinkage	ASTM D955, IN/IN	0.001	ISO-2577, %	0.10
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	--	ASTM D495, Seconds	--
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.5mm		--		--
@ 3.0mm	UL94	--	UL94	--
@ 6.0mm		--		--

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
pgarland@idicomposites.co.uk