

A lightweight high-strength, high-performance material. Extremely resilient with very high impact ratings and toughness.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	40 – 60	ISO-179, kJ/m ²	200 – 300
Flexural Strength	ASTM D790, PSI	40 – 60,000	ISO-178, MPa	276 – 414
Flexural Modulus	ASTM D790, 10 ⁶ PSI	2.0	ISO-178, GPa	14
Tensile Strength	ASTM D638, PSI	25 – 35,000	ISO-527, MPa	172 – 241
Compressive Strength	ASTM D695, PSI	30,000 – 35,000	ISO-604, MPa	207 – 241
Water Absorption	ASTM D570, %	0.10 – 0.14	ISO-62, %	0.10 – 0.14
Specific Gravity	ASTM D792, G/CM ³	1.75 – 2.00	ISO-1183, --	1.75 – 2.00
Shrinkage	ASTM D955, IN/IN	0.000 – 0.015	ISO-2577, %	0.00 – 1.50
Hardness	ASTM D2583, Barcol	40 – 70	ASTM D2583, Barcol	40 – 70
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
Electrical Properties				
Dielectric Strength	ASTM D149, kV/in	360	ISO-243, kV/mm	14
Arc Resistance	ASTM D495, Seconds	184	ASTM D495, Seconds	184
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		--		--

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