

Mechanical grade materials in a range of strengths with excellent moldability and molded part appearance.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
<b>Physical and Mechanical Properties</b>				
Impact Strength	ASTM D256, FT- LBS/IN	3	ISO-179, kJ/m <sup>2</sup>	15
Flexural Strength	ASTM D790, PSI	12,000	ISO-178, MPa	83
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	1.3	ISO-178, GPa	9
Tensile Strength	ASTM D638, PSI	7,000	ISO-527, MPa	48
Compressive Strength	ASTM D695, PSI	22,000	ISO-604, MPa	152
Water Absorption	ASTM D570, %	0.09	ISO-62, %	0.09
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.89	ISO-1183, --	1.89
Shrinkage	ASTM D955, IN/IN	0.002	ISO-2577, %	0.2
Hardness	ASTM D2583, Barcol	40 – 50	ASTM D2583, Barcol	30 – 40
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	320	ISO-243, kV/mm	12
Arc Resistance	ASTM D495, Seconds	--	ASTMD495, Seconds	--
<b>Thermal &amp; Flame Retardant Properties</b>				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 450	ISO-75, °C	> 232
Flame Resistance				
@ 1.5 mm		--		--
@ 3.0 mm	UL94	--	UL94	--
@ 6.0 mm		--		--

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