

A premium electrical grade SMC with f1-UV resistance and V-0/5VA flame retardant properties.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	12	ISO-179, kJ/m ²	60
Flexural Strength	ASTM D790, PSI	23,000	ISO-178, MPa	159
Flexural Modulus	ASTM D790, 10 ⁶ PSI	1.6	ISO-178, GPa	11
Tensile Strength	ASTM D638, PSI	11,000	ISO-527, MPa	76
Compressive Strength	ASTM D695, PSI	27,000	ISO-604, MPa	186
Water Absorption	ASTM D570, %	0.10	ISO-62, %	0.10
Specific Gravity	ASTM D792, G/CM ³	1.78	ISO-1183, --	1.78
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	380	ISO-243, kV/mm	15
Arc Resistance	ASTM D495, Seconds	180	ASTM D495, Seconds	180
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 2mm	UL94	V-0/5VA	UL94	V-0/5VA
@ 3mm	UL94	V-0/5VA	UL94	V-0/5VA

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