

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Molding Shrinkage - Flow	7.0E-3 in/in	0.70 %	ASTM D955
Water Absorption (24 hr)	0.30 %	0.30 %	ASTM D570
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	360000 psi	2480 MPa	ASTM D638
Tensile Strength	10200 psi	70.3 MPa	ASTM D638
Tensile Elongation (Break)	50 to 100 %	50 to 100 %	ASTM D638
Flexural Modulus	390000 psi	2690 MPa	ASTM D790
Flexural Strength	15400 psi	106 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.3 ft·lb/in	69 J/m	ASTM D256
Tensile Impact Strength	200 ft·lb/in ²	420 kJ/m ²	ASTM D1822
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	345 °F	174 °C	ASTM D648
CLTE - Flow	3.1E-5 in/in/°F	5.6E-5 cm/cm/°C	ASTM D696
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Volume Resistivity	3.0E+16 ohms·cm	3.0E+16 ohms·cm	ASTM D257
Dielectric Strength	430 V/mil	17 kV/mm	ASTM D149
Dielectric Constant			ASTM D150
60 Hz	3.03	3.03	
1 kHz	3.04	3.04	
1 MHz	3.02	3.02	
Dissipation Factor			ASTM D150
60 Hz	7.0E-4	7.0E-4	
1 kHz	1.0E-3	1.0E-3	
1 MHz	6.0E-3	6.0E-3	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm), ALL	HB	HB	
0.18 in (4.5 mm), NC	V-0	V-0	
Glow Wire Flammability Index			IEC 60695-2-12
0.031 in (0.8 mm)	1560 °F	850 °C	
0.06 to 0.24 in (1.6 to 6.0 mm)	1760 °F	960 °C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.031 in (0.8 mm)	1610 °F	875 °C	
0.06 to 0.24 in (1.6 to 6.0 mm)	1560 °F	850 °C	
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	275 to 325 °F	135 to 163 °C	
Drying Time	3.5 hr	3.5 hr	
Suggested Shot Size	50 to 75 %	50 to 75 %	
Processing (Melt) Temp	625 to 725 °F	329 to 385 °C	
Mold Temperature	250 to 325 °F	121 to 163 °C	

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