

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Break	118	MPa	ASTM D 638
Elongation at Break	2.8	%	ASTM D 638
Flexural Modulus	5984	MPa	ASTM D 790
Flexural Strength	157	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/4 in	56.6	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
DTUL @ 264 psi	180	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	21	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Volume Resistivity	1E17	Ohm*cm	ASTM D 257
Arc Resistance	90	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1500	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	255 - 270	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	240 - 260	°C	-
Zone 2	245 - 265	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	255 - 270	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America

Special Characteristics

Flame retardant