

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Break	206	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	15700	MPa	ASTM D 790
Flexural Strength	304	MPa	ASTM D 790
Rockwell Hardness	R 130	-	ASTM D 785
Izod Impact notched, 1/8 in	157	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	36	E-6/K	ASTM D 696
DTUL @ 264 psi	205	°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	3.5	-	ASTM D 150
Volume Resistivity	1E17	Ohm*cm	ASTM D 257
Arc Resistance	180	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1690	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	250 - 270	°C	-
Zone 2	260 - 285	°C	-
Zone 3	260 - 290	°C	-
Nozzle temperature	260 - 290	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

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

Special Characteristics

High impact or impact modified