

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.016	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	52	MPa	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Flexural Modulus	1864	MPa	ASTM D 790
Flexural Strength	68.7	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	782	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 66 psi	200	°C	ASTM D 648
DTUL @ 264 psi	65	°C	ASTM D 648
Melting Temperature	260	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	24	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3	-	ASTM D 150
Volume Resistivity	1E16	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	1.1	%	ASTM D 570
Density	1070	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	270 - 280	°C	-
Mold temperature	60 - 90	°C	-
Zone 1	260 - 275	°C	-
Zone 2	265 - 275	°C	-
Zone 3	270 - 280	°C	-
Nozzle temperature	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

White

Special Characteristics

High impact or impact modified

Applications

Automotive

Regional Availability

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