

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	343	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	8620	MPa	ASTM D 638
Tensile Strength	130	MPa	ASTM D 638
Elongation at Break	1.9	%	ASTM D 638
Flexural Modulus	8620	MPa	ASTM D 790
Flexural Strength	179	MPa	ASTM D 790
Izod Impact notched, 1/8 in	75	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.787	mm	-
Coefficient of Thermal Expansion, MD	31	E-6/K	ASTM D 696
DTUL @ 264 psi	216	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	17	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0019	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0094	-	ASTM D 150
Dielectric Constant, 60 Hz	4.11	-	ASTM D 150
Dielectric Constant, 1 MHz	4.17	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.4	%	ASTM D 570
Density	1580	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149 - 177	°C	-
Pre-drying - Time	2.5 - 4	h	-
Melt temperature	343 - 399	°C	-
Mold temperature	149 - 163	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Features

Creep Resistance, Good Adhesion, Thermal Stability

Chemical Resistance

Acid Resistance, General Chemical Resistance, Hydrolytically Stable

Certifications

Drinking water contact, Drinking water contact NSF 61

Applications

Automotive, IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa