

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Temperature	380	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.013	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	16700	MPa	ISO 527
Yield stress	188	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	15400	MPa	ISO 178
Izod impact strength, +23°C	41	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	8.5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	15100	MPa	ASTM D 638
Tensile Strength	191	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Compressive Strength	182	MPa	ASTM D 695
Flexural Modulus	14800	MPa	ASTM D 790
Flexural Strength	253	MPa	ASTM D 790
Rockwell Hardness	M 105	-	ASTM D 785
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
Coefficient of Thermal Expansion, MD	15	E-6/K	ASTM D 696
Melting Temperature	345	°C	ASTM D 3418
Glass Transition Temperature	150	°C	ASTM E 1356
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.002	-	ASTM D 150
Dissipation Factor, 1 MHz	0.003	-	ASTM D 150
Dielectric Constant, 60 Hz	3.68	-	ASTM D 150
Dielectric Constant, 1 MHz	3.69	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1650	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	150 - 175	°C	-
Pre-drying - Time	2.5 - 4	h	-
Melt temperature	370 - 395	°C	-
Mold temperature	175 - 210	°C	-
Screw speed	75	rpm	-

Back pressure **0.138 - 0.345** MPa -

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets, Natural Color

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Electrical and Electronical

Regional Availability

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