

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	12500	MPa	ISO 527
Tensile Strength	120	MPa	ISO 527
Flexural modulus, 23°C	11000	MPa	ISO 178
ASTM Data			
Tensile Strength	157	MPa	ASTM D 638
Flexural Modulus	11800	MPa	ASTM D 790
Flexural Strength	158	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	251	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	276	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.3	mm	-
DTUL @ 264 psi	269	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dissipation Factor, 1 MHz	0.026	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	124	s	ASTM D 495
Other properties			
Density	1650	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	130	°C	-
Pre-drying - Time	4 - 24	h	-
Melt temperature	350	°C	-
Mold temperature	40 - 160	°C	-
Zone 1	280 - 320	°C	-
Zone 2	320 - 340	°C	-
Zone 3	340 - 360	°C	-
Nozzle temperature	340 - 360	°C	-
Screw speed	50 - 100	rpm	-
Injection pressure	80 - 160	MPa	-
Back pressure	1 - 5	MPa	-
Holding pressure	20 - 40	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Black, Natural Color

Regional Availability

North America, Europe, Asia Pacific