

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Molding shrinkage, normal	1.4	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	50	MPa	ISO 527
Flexural modulus, 23°C	1250	MPa	ISO 178
Charpy notched impact strength, +23°C	8.5	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 101	-	ISO 2039-2
ASTM Data			
Tensile Strength	71	MPa	ASTM D 638
Flexural Modulus	1540	MPa	ASTM D 790
Flexural Strength	69	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	118	J/m	ASTM D 256
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	72	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	90	E-6/K	ASTM D 696
DTUL @ 66 psi	160	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	220	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.2	-	ASTM D 150
Arc Resistance	115	s	ASTM D 495
Other properties			
Density	1130	kg/m ³	ISO 1183
Water Absorption, 24hr	1.8	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	4 - 5	h	-
Processing humidity	≤0.05	%	-
Mold temperature	60 - 80	°C	-
Zone 1	230	°C	-
Zone 2	240	°C	-
Zone 3	250	°C	-
Nozzle temperature	250	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Regional Availability

North America, Asia Pacific

Applications

Automotive, Monofilament