

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	5	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mechanical properties			
ASTM Data			
Tensile Modulus	17900	MPa	ASTM D 638
Tensile Strength	199	MPa	ASTM D 638
Elongation at Break	2.1	%	ASTM D 638
Flexural Modulus	16500	MPa	ASTM D 790
Flexural Strength	297	MPa	ASTM D 790
Izod Impact notched, 1/8 in	960	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	158	°C	ASTM E 1356
Other properties			
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1730	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	366 - 388	°C	-
Mold temperature	160 - 190	°C	-
Zone 1	365	°C	-
Zone 2	371	°C	-
Zone 3	377	°C	-
Nozzle temperature	382	°C	-

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets, Black

Special Characteristics

Flame retardant, Heat stabilized or stable to heat, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization, Electron beam (e-beam) sterilization

Chemical Resistance

General Chemical Resistance, Oil Resistance

Certifications

Biocompatibility ISO 10993

Applications

Automotive, Medical

Regional Availability

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