

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	21100	MPa	ISO 527
Yield stress	192	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	19100	MPa	ISO 178
Izod impact strength, +23°C	37	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	8.4	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Modulus	20700	MPa	ASTM D 638
Tensile Strength	184	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Compressive Strength	168	MPa	ASTM D 695
Flexural Modulus	17200	MPa	ASTM D 790
Flexural Strength	262	MPa	ASTM D 790
Rockwell Hardness	M 102	-	ASTM D 785
Shore D Hardness	87	-	ASTM D 2240
Izod Impact notched, 1/8 in	59	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melting Temperature	345	°C	ASTM D 3418
Glass Transition Temperature	158	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1420	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	366 - 388	°C	-
Mold temperature	149 - 177	°C	-
Zone 1	366	°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, Electron beam (e-beam) sterilization

### Chemical Resistance

General Chemical Resistance, Radiation Resistance

### Certifications

Medical Grade, Biocompatibility ISO 10993

### Applications

Automotive, Chemical Process, Electrical and Electronical, Medical

**Features**

Fatigue Resistance

**Regional Availability**

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