

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	1	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	23300	MPa	ISO 527
Yield stress	196	MPa	ISO 527
Strain at break	2.2	%	ISO 527
Flexural modulus, 23°C	21300	MPa	ISO 178
Izod impact strength, +23°C	39	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9.6	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Modulus	17200	MPa	ASTM D 638
Tensile Strength	181	MPa	ASTM D 638
Elongation at Break	2.2	%	ASTM D 638
Compressive Strength	152	MPa	ASTM D 695
Flexural Modulus	15100	MPa	ASTM D 790
Flexural Strength	276	MPa	ASTM D 790
Rockwell Hardness	M 101	-	ASTM D 785
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	640	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	160	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	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

### Chemical Resistance

General Chemical Resistance

### Applications

Medical

### Regional Availability

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

**Features**

Fatigue Resistance