

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.1	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	0.016	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	22800	MPa	ISO 527
Yield stress	217	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	20500	MPa	ISO 178
Izod impact strength, +23°C	44	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 180/1A

<b>ASTM Data</b>			
Tensile Modulus	19700	MPa	ASTM D 638
Tensile Strength	201	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Compressive Strength	173	MPa	ASTM D 695
Flexural Modulus	17500	MPa	ASTM D 790
Flexural Strength	317	MPa	ASTM D 790
Rockwell Hardness	M 105	-	ASTM D 785
Shore D Hardness	92	-	ASTM D 2240
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	750	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	5.2	E-6/K	ASTM D 696
Melting Temperature	340	°C	ASTM D 3418
Glass Transition Temperature	150	°C	ASTM E 1356

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1410	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4	h	-
Mold temperature	175 - 205	°C	-
Zone 1	365	°C	-
Zone 2	370	°C	-
Zone 3	375	°C	-
Nozzle temperature	380	°C	-

## Characteristics

### Processing

Injection Molding, Profile Extrusion

### Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Radiation Resistance

**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

**Features**

Fatigue Resistance

**Certifications**

Medical Grade, Biocompatibility ISO 10993

**Applications**

Chemical Process, Electrical and Electronical, Medical

**Regional Availability**

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