

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	3500	MPa	ASTM D 638
Tensile Strength at Yield	94.5	MPa	ASTM D 638
Elongation at Yield	5.2	%	ASTM D 638
Elongation at Break	37	%	ASTM D 638
Flexural Modulus	3700	MPa	ASTM D 790
Flexural Strength	145	MPa	ASTM D 790
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1290	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	355	°C	-
Zone 2	365	°C	-
Zone 3	370	°C	-
Nozzle temperature	375	°C	-

## Characteristics

### Processing

Injection Molding, Film Extrusion, Profile Extrusion, Wire/Cable Extrusion, Thermoforming, Compression Molding

### Delivery form

Pellets, Powder

### Additives

Lubricants

### Special Characteristics

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

### Features

Ductile, Fatigue Resistance

### Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Oil Resistance, Oxidation Resistance, Radiation Resistance

### Certifications

Medical Grade, Biocompatibility ISO 10993

### Applications

Medical

### Regional Availability

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