

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
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 ³	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, Natural Color

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