

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	53	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	6700	MPa	ASTM D 638
Tensile Strength at Break	138	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Strength	231	MPa	ASTM D 790
Izod Impact notched, 1/8 in	47	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	660	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	278	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1420	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	177 - 204	°C	-
Zone 1	365	°C	-
Zone 2	371	°C	-
Zone 3	377	°C	-
Nozzle temperature	382	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

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

Features

Fatigue Resistance

Chemical Resistance

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