

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	400	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8300	MPa	ISO 527
Stress at break	162	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	7720	MPa	ISO 178
Charpy impact strength, +23°C	60	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C	6	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	8200	MPa	ASTM D 638
Tensile Strength at Break	152	MPa	ASTM D 638
Elongation at Break	3.7	%	ASTM D 638
Flexural Modulus	7860	MPa	ASTM D 790
Flexural Strength	254	MPa	ASTM D 790
Rockwell Hardness	M 103	-	ASTM D 785
Izod Impact notched, 1/8 in	60	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	770	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	345	°C	ISO 11357-1/-3

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 60 Hz	0.002	-	ASTM D 150
Dissipation Factor, 1 MHz	0.004	-	ASTM D 150
Dielectric Constant, 60 Hz	3.34	-	ASTM D 150
Dielectric Constant, 1 MHz	3.35	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1460	kg/m ³	ISO 1183

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

Chemical Resistance

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

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

Fatigue Resistance

Certifications

Medical Grade

Applications

Chemical Process, Electrical and Electronical, Medical

Regional Availability

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