

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4	g/10min	ISO 1133
Temperature	190	°C	-
Load	8.7	kg	-
Molding shrinkage, parallel	0.8	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	26.9	MPa	ISO 178
Stress at 100% elongation	5.5	MPa	ISO 527
Stress at 300% elongation	9.7	MPa	ISO 527
Tensile Strength	36.6	MPa	ISO 37
Strain at break	610	%	ISO 37
Tear strength	87.6	kN/m	ISO 34-1
Shore A hardness	85	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	80	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	93 - 104	°C	-
Pre-drying - Time	≥2	h	-
Processing humidity	≤0.03	%	-
Melt temperature	199 - 210	°C	-
Mold temperature	16 - 38	°C	-
Zone 1	193 - 204	°C	-
Zone 2	196 - 207	°C	-
Zone 3	196 - 207	°C	-
Nozzle temperature	199 - 210	°C	-
Screw speed	40 - 80	rpm	-
Injection pressure	41.4 - 103	MPa	-
Back pressure	≤5.5	MPa	-
Holding pressure	24.8 - 82.7	MPa	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	93 - 104	°C	-
Pre-drying - Time	≥2	h	-
Processing humidity	≤0.03	%	-
Melt temperature	199 - 210	°C	-
Feed temperature	182 - 193	°C	-
Zone 1	193 - 204	°C	-
Zone 2	193 - 204	°C	-
Nozzle temperature	193 - 210	°C	-

Characteristics

Processing

Injection Molding, Film Extrusion, Pipe/Tube Extrusion, Profile Extrusion, Other Extrusion, Blow Molding

Certifications

Food contact, Food approval FDA 21 CFR, Medical Grade, Biocompatibility ISO 10993

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat, Sterilizable, Ethylene Oxide (EtO) Sterilization, Gamma irradiation sterilization

Chemical Resistance

Hydrolytically Stable, Radiation Resistance

Applications

Medical

Regional Availability

North America, South and Central America