

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	13	g/10min	ISO 1133
Temperature	190	°C	-
Load	8.7	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	73.1	MPa	ISO 178
Stress at 100% elongation	9.7	MPa	ISO 527
Stress at 300% elongation	20	MPa	ISO 527
Tensile Strength	40	MPa	ISO 37
Strain at break	510	%	ISO 37
Tear strength	129	kN/m	ISO 34-1
Shore A hardness	92	-	ISO 7619-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	88	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1220	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82 - 93	°C	-
Pre-drying - Time	≥2	h	-
Processing humidity	≤0.03	%	-
Melt temperature	199 - 207	°C	-
Mold temperature	16 - 43	°C	-
Zone 1	193 - 204	°C	-
Zone 2	199 - 207	°C	-
Zone 3	199 - 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	82 - 93	°C	-
Pre-drying - Time	≥2	h	-
Processing humidity	≤0.03	%	-
Melt temperature	191 - 204	°C	-
Feed temperature	188 - 199	°C	-
Zone 1	188 - 204	°C	-
Zone 2	188 - 204	°C	-
Nozzle temperature	188 - 204	°C	-

Characteristics

Processing

Injection Molding, Film Extrusion, Sheet Extrusion, Other Extrusion, Blow Molding

Delivery form

Natural Color

Chemical Resistance

Solvent Resistance, Oil Resistance, Radiation Resistance

Certifications

Medical Grade, Biocompatibility ISO 10993

Special Characteristics

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

Features

Low Gel

Applications

Medical

Regional Availability

North America, South and Central America