

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12 / *	cm ³ /10min	ISO 1133
Temperature	380 / *	°C	-
Load	5 / *	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	3500 / -	MPa	ISO 527
Tensile Strength	94 / -	MPa	ISO 527
Yield stress	94 / -	MPa	ISO 527
Yield strain	5 / -	%	ISO 527
Stress at break	76 / -	MPa	ISO 527
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6 / -	kJ/m ²	ISO 179/1eA
Type of failure	C / -	-	-
Charpy notched impact strength, -30°C	9.1 / -	kJ/m ²	ISO 179/1eA
Type of failure	C / -	-	-
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	338 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	152 / *	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	150 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	205 / *	°C	ISO 75-1/-2
Vicat softening temperature, A	335 / *	°C	ISO 306
Vicat softening temperature, B	305 / *	°C	ISO 306
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
ASTM Data			
Melting Temperature	338	°C	ASTM D 3418
Other properties			
Density	1300 / -	kg/m ³	ISO 1183
Density	1300	kg/m ³	ASTM D 792

Characteristics
Processing

Additive Manufacturing

Delivery form

Monofilament, Natural Color

Special Characteristics

Heat stabilized or stable to heat

Features

Thermal Stability

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance, Solvent Resistance, Grease Resistance, Hydrolytically Stable, Oil Resistance

Certifications

Medical Grade, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved

Applications

Medical

Regional Availability

Europe