

Product Texts

- polycarbonate
- MVR (300 °C/1.2 kg) 19 cm³/10 min
- low viscosity
- improved friction characteristics
- biocompatible according to many ISO 10993-1 test requirements
- medical devices

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	19	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
^[C] Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2100	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Nominal strain at break	>50	%	ISO 527
Izod notched impact strength, +23°C	60	kJ/m ²	ISO 180/1A

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	144	°C	ISO 306

Other properties	Value	Unit	Test Standard
^[C] Density	1200	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	280 - 320	°C	-
Mold temperature	70 - 110	°C	-
Zone 1	250 - 270	°C	-
Zone 2	270 - 290	°C	-
Zone 3	285 - 305	°C	-
Nozzle temperature	270 - 305	°C	-
Back pressure	10 - 20	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Opaque

Features

Tribologic Grade

Certifications

Medical Grade, Biocompatibility ISO 10993

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa