

**Product Texts**

- polycarbonate
- MVR (300 °C/1.2 kg) 19 cm<sup>3</sup>/10 min
- low viscosity
- improved friction characteristics
- biocompatible according to many ISO 10993-1 test requirements
- suitable for medical devices

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

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2150	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 <sup>2</sup>	ISO 180/1A

[C]: CAMPUS

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

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1200	kg/m <sup>3</sup>	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