

Product Texts

- polycarbonate
- MVR (300 °C/1.2 kg) 7.0 cm³/10 min
- low viscosity
- 30 % glass fiber reinforced
- biocompatible according to many ISO 10993-1 test requirements
- suitable for medical devices

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
^[C] Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
^[C] Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8000	MPa	ISO 527
^[C] Stress at break	128	MPa	ISO 527
^[C] Strain at break	2.8	%	ISO 527

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	144	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	40	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.26	%	Sim. to ISO 62
^[C] Humidity absorption	0.1	%	Sim. to ISO 62
^[C] Density	1420	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Certifications**

Biocompatibility ISO 10993

Applications

Medical

Regional Availability

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