

Product Texts

- low viscosity
- medical devices
- suitable for sterilization with high-energy radiation in O2-free packaging

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2400	MPa	ISO 527
^[C] Yield stress	67	MPa	ISO 527
^[C] Yield strain	6.1	%	ISO 527
^[C] Nominal strain at break	>50	%	ISO 527
^[C] Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
^[C] Puncture - maximum force, +23°C	5100	N	ISO 6603-2
^[C] Puncture - maximum force, -30°C	6000	N	ISO 6603-2
^[C] Puncture energy, +23°C	55	J	ISO 6603-2
^[C] Puncture energy, -30°C	65	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	120	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	132	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	139	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	65	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Water absorption	0.3	%	Sim. to ISO 62
^[C] Humidity absorption	0.12	%	Sim. to ISO 62
^[C] Density	1200	kg/m ³	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
ISO Data			
^[C] Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

[C]: CAMPUS

Characteristics**Special Characteristics**

Sterilizable, Gamma irradiation sterilization

Applications

Medical

Chemical Resistance

Radiation Resistance

Regional Availability

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