

Product Texts

Base Polymer	Polyoxymethylene Copolymer
Filler/Additive System	2 % silicone
Special Features	heat stabilised,improved sliding / wear
Market Segment	Automotive,Machinery
Application Area	gear wheels, roller bearings
Typical Applications	bearings and sliding elements,functional components

Processing/Physical Characteristics**Value****Unit****Test Standard****ISO Data**

^[C] Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-

[C]: CAMPUS

Mechanical properties**Value****Unit****Test Standard****ISO Data**

^[C] Tensile Modulus	2300	MPa	ISO 527
^[C] Stress at break	48	MPa	ISO 527
^[C] Strain at break	50	%	ISO 527
^[C] Charpy impact strength, +23°C	165	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties**Value****Unit****Test Standard****ISO Data**

^[C] Temp. of deflection under load, 1.80 MPa	92	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	145	°C	ISO 306

[C]: CAMPUS

Other properties**Value****Unit****Test Standard**

^[C] Density	1390	kg/m ³	ISO 1183
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[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

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

Other text information**Injection molding**

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-3 h in an air circulating dryer 100-110 °C for 3-5 h dependant on moisture content
Processing Injection Moulding	melt temperature 180-220 °C mould temperature 60-120 °C
Storage	dry, protected from light not above 30°C