

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	10 % carbon fibres,15 % PTFE
Special Features	improved sliding / wear,electrically conductive,reduced surface resistivity
Market Segment	Automotive,Machinery
Typical Applications	housings,functional components,bearings and sliding elements

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9200	MPa	ISO 527
^[C] Stress at break	108	MPa	ISO 527
^[C] Strain at break	1.7	%	ISO 527
^[C] Charpy impact strength, +23°C	29	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	144	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	150	°C	ISO 306

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	1000	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
^[C] Density	1320	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

Increased electrical conductivity

Other text information**Injection molding**

Pre-Drying Conditions 120 °C in a dry air (dessiccant) dryer for 2-3 h dependant on moisture content max. moisture content <0,02 %

Processing Injection Moulding melt temperature 310-330 °C mould temperature 80-130 °C

Storage dry, protected from light