

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	10 % carbon fibres,20 % glass fibres
Special Features	electrically conductive,reduced surface resistivity,high stiffness
Market Segment	Automotive,Machinery
Application Area	various
Typical Applications	housings,functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	5.5	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Tensile Modulus	12500	MPa	ISO 527
^[C] Stress at break	145	MPa	ISO 527
^[C] Strain at break	2.2	%	ISO 527
^[C] Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties

	Value	Unit	Test Standard
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ISO Data

^[C] Temp. of deflection under load, 1.80 MPa	143	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	148	°C	ISO 306

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Surface resistivity	1000	Ohm	IEC 62631-3-2
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[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[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, 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
in an air circulating dryer 100-120 °C
for 4-12 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