

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	10 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity, high stiffness, heat stabilised
Market Segment	Machinery
Application Area	injection moulded parts
Typical Applications	housings, functional components

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	7	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	7500	MPa	ISO 527
^[C] Stress at break	110	MPa	ISO 527
^[C] Strain at break	2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6.5	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	141	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	146	°C	ISO 306
^[C] Burning Behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties

	Value	Unit	Test Standard
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ISO Data

^[C] Surface resistivity	500	Ohm	IEC 62631-3-2
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[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1230	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
dependant on moisture content
max. moisture content <0,02 %

