

Product Texts

Base Polymer	Polycarbonate
Filler/Additive System	30 % glass fibres
Special Features	contains recycled material
Market Segment	electrical and electronic,building and construction,various
Application Area	household goods,energy management,various
Typical Applications	plugs / connectors,housings,various

Processing/Physical Characteristics

	Value	Unit	Test Standard
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ISO Data

^[C] Melt volume-flow rate, MVR	6	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	7700	MPa	ISO 527
^[C] Stress at break	95	MPa	ISO 527
^[C] Strain at break	2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	8.5	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	138	°C	ISO 75-1/-2
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[C]: CAMPUS

Other properties

	Value	Unit	Test Standard
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^[C] Density	1430	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

Certifications

Recycled Resin Content

Other text information**Injection molding**

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C 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