

**Product Texts**

Base Polymer	Polycarbonate
Filler/Additive System	30 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity, high stiffness
Market Segment	Machinery
Application Area	injection moulded parts
Typical Applications	housings, functional components

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	18800	MPa	ISO 527
<sup>[C]</sup> Stress at break	165	MPa	ISO 527
<sup>[C]</sup> Strain at break	2	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	8.5	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	144	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	150	°C	ISO 306
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Surface resistivity	100	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1320	kg/m <sup>3</sup>	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  
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