

Product Texts

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7800	MPa	ISO 527
^[C] Stress at break	108	MPa	ISO 527
^[C] Strain at break	2.9	%	ISO 527
^[C] Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9	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	143	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	148	°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	1230	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 (desiccant) 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