

Product Texts

Base Polymer	Polybutylene Terephthalate
Filler/Additive System	20 % carbon fibres, 15 % PTFE
Special Features	electrically conductive, reduced surface resistivity, improved sliding / wear, heat stabilised
Market Segment	Machinery
Application Area	injection moulded parts
Typical Applications	housings, functional components

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	16200	MPa	ISO 527
^[C] Stress at break	140	MPa	ISO 527
^[C] Strain at break	1.6	%	ISO 527
^[C] Charpy impact strength, +23°C	37	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6	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	217	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	210	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	25	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1470	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

in a dry air (dessiccant) dryer 100-120 °C
for 2-4 h
in an air circulating dryer 100-120 °C
for 4-8 h
dependant on moisture content

Processing Injection Moulding

melt temperature 250-270 °C
mould temperature 80-120 °C

Storage

dry, protected from light