

**Product Texts**

Base Polymer	Polyurethane, Estertype
Filler/Additive System	15 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	functional components

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	600	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Shore D hardness	55	-	ISO 7619-1

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	62	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	58	°C	ISO 306

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Surface resistivity	50	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1250	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	in a dry air (dessiccant) dryer 80-110 °C for 1-3 h in an air circulating dryer 80-110 °C for 1-3 h max. moisture content <0,05 %
Processing Injection Moulding	melt temperature 210-230 °C mould temperature 20-40 °C
Processing Extrusion	melt temperature 200-220 °C
Storage	dry, protected from light not above 30°C