

**Product Texts**

Base Polymer	Polyamide 66
Filler/Additive System	40 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity, heat stabilised, high stiffness
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	bearings, functional components

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>27000</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>245</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>1.7</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>55</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>10</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>260</b>	°C	ISO 75-1/-2

[C]: CAMPUS

<b>Electrical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Surface resistivity	<b>10</b>	Ohm	IEC 62631-3-2

[C]: CAMPUS

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Density	<b>1310</b>	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, Heat stabilized or stable to heat

**Other text information****Injection molding**

Pre-Drying Conditions      in a dry air (dessiccant) dryer <80 °C  
for 2-12 h  
dependant on moisture content

Processing Injection Moulding      melt temperature 280-300 °C  
mould temperature 80-120 °C

Storage      dry, protected from light  
not above 30°C