

Product Texts

Base Polymer	Polyamide 66
Filler/Additive System	10 % carbon fibres
Special Features	electrically conductive, reduced surface resistivity, heat stabilised, high stiffness
Market Segment	Automotive, Machinery
Application Area	various
Typical Applications	bearings, functional components

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8100 / -	MPa	ISO 527
^[C] Stress at break	155 / -	MPa	ISO 527
^[C] Strain at break	2.4 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	30 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / -	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	250 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	* / 700	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1170 / -	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, Heat stabilized or stable to heat

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
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