

**Product Texts**

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres,2 % molybdenium disulphide
Special Features	improved sliding / wear,heat stabilised
Market Segment	Automotive,Machinery
Application Area	gear wheels, roller bearings
Typical Applications	bearings and sliding elements,functional components

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>9100 / -</b>	MPa	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>95 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>11 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>210 / *</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	<b>215 / *</b>	°C	ISO 306

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Density	<b>1390 / -</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**

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 250-270 °C  
mould temperature 40-80 °C

Storage      dry, protected from light  
not above 30°C