

**Product Texts**

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	UV stabilised
Market Segment	Automotive, Machinery, building and construction, sport and leisure
Application Area	injection moulded parts
Typical Applications	housings, clothing / fasteners, 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>9800 / -</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>150 / -</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2.4 / -</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>50 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>7 / -</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

[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, Near East/Africa

**Special Characteristics**

U.V. stabilized or stable to weather

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

Pre-Drying Conditions      80 °C in a dry air (dessiccant) dryer  
for 2-12 h  
dependant on moisture content  
max. moisture content <0,12 %

Processing Injection Moulding      melt temperature 270-290 °C  
mould temperature 80-100 °C

Storage      dry, protected from light