

Product Texts

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres, 17 % PTFE/Silicone
Special Features	high stiffness, heat stabilised, improved sliding / wear
Market Segment	Automotive, Machinery
Typical Applications	functional components

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	7700 / -	MPa	ISO 527
[C] Stress at break	95 / -	MPa	ISO 527
[C] Strain at break	3.9 / -	%	ISO 527
[C] Charpy impact strength, +23°C	55 / -	kJ/m ²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	20 / -	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	203 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Density	1420 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

Other text information**Injection molding**

Pre-Drying Conditions	80 °C in a dry air (desiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light not above 30°C