

Product Texts

Base Polymer	Polyamide 4.6
Filler/Additive System	15 % PTFE
Special Features	improved sliding / wear, heat stabilised
Market Segment	Machinery, Automotive
Application Area	various
Typical Applications	functional components, bearings and sliding elements

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2700	MPa	ISO 527
^[C] Yield stress	60	MPa	ISO 527
^[C] Yield strain	2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	25	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	275	°C	ISO 306

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1270	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

Heat stabilized or stable to heat

Other text information**Injection molding**

Pre-Drying Conditions 80 °C in a dry air (desiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,01 %

Processing Injection Moulding melt temperature 305-320 °C mould temperature 40-100 °C

Storage dry, protected from light not above 30°C