

Product Texts

Base Polymer	Polyamide 6
Filler/Additive System	40 % metal filler
Special Features	thermal conductive
Market Segment	Machinery,packaging,food processing industry
Application Area	injection moulded parts
Typical Applications	racking / shelving,fixing elements,housings

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	4300 / 1200	MPa	ISO 527
^[C] Stress at 50% strain	* / 30	MPa	ISO 527
^[C] Stress at break	64 / *	MPa	ISO 527
^[C] Strain at break	2.8 / >50	%	ISO 527
^[C] Charpy impact strength, +23°C	50 / 85	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 10	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	83 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1460 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Applications

Packaging

Special Characteristics

Thermally Conductive

Regional Availability

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

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