

Product Texts

| | |
|------------------------|--|
| Base Polymer | Polyamide 66 |
| Filler/Additive System | 30 % glass fibres, 1 % molybdenum 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 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 9800 / - | MPa | ISO 527 |
| ^[C] Stress at break | 185 / - | MPa | ISO 527 |
| ^[C] Strain at break | 3 / - | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 60 / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 9 / - | 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 | 250 / * | °C | ISO 75-1/-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1370 / - | 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 (dessiccant) dryer for 2-12 h dependant on moisture content |
| Processing Injection Moulding | melt temperature 280-300 °C mould temperature 80-120 °C |
| Storage | dry, protected from light not above 30°C |