

Product Texts

30% glass fibre reinforced PA 66 with optimized surface performance for GIT - articles

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|--------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 9300 / 5400 | MPa | ISO 527 |
| ^[C] Stress at break | 175 / 110 | MPa | ISO 527 |
| ^[C] Strain at break | 3.5 / 8 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 80 / N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy impact strength, -30°C | 65 / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 11 / 18 | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°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 | 220 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 246 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 237 / * | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |
| Yellow Card available | yes / * | - | - |
| ^[C] Burning Behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 3.0 / * | mm | - |
| Yellow Card available | yes / * | - | - |
| ^[C] Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1360 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Material specific properties | dry / cond | Unit | Test Standard |
|-------------------------------------|-------------------|--------------------|----------------------|
| ISO Data | | | |
| ^[C] Viscosity number | 140 / * | cm ³ /g | ISO 307, 1157, 1628 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Melt temperature | 270 - 290 | °C | - |
| Mold temperature | 50 - 90 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

PREPROCESSING; Pretreatment

Predrying: 4-6h / 80°C

PROCESSING ;Processing:

| | | |
|------------------|-----------|----|
| Melttemperature | 270 - 290 | °C |
| Mouldtemperature | 50 - 90 | °C |