

Product Texts

Standard grade, good flowability. (reduced Plate out)
Moulding parts of all kind, nuts and screws, bearing and clutchparts, pump elements.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 13 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 2800 | MPa | ISO 527 |
| Tensile Strength | 62 | MPa | ISO 527 |
| Yield strain | 10 | % | ISO 527 |
| Strain at break | 25 | % | ISO 527 |
| Flexural strength | 65 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 170 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 6 | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 160 | MPa | ISO 2039-1 |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 115 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 150 | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1410 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 100 | °C | - |
| Pre-drying - Time | 2 - 3 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Mold temperature | 60 - 120 | °C | - |
| Feed temperature | 150 - 170 | °C | - |
| Zone 1 | 170 - 190 | °C | - |
| Nozzle temperature | 190 - 210 | °C | - |
| Maximum residence time | 20 | min | - |

Characteristics

Processing

Injection Molding

Regional Availability

Europe