

Product Texts

Alternative for aluminium- and zinc diecast alloys.

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.5 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|-------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 13000 / 12500 | MPa | ISO 527 |
| Stress at break | 235 / 160 | MPa | ISO 527 |
| Strain at break | 2.8 / 2.8 | % | ISO 527 |
| Flexural modulus, 23°C | 12500 / 12500 | MPa | ISO 178 |
| Flexural strength | 330 / 245 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 95 / 95 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 75 / 75 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 / 15 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 13 / 13 | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 255 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 237 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 8.00 MPa | 173 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Density | 1470 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Melt temperature | 320 | °C | - |
| Mold temperature | 100 | °C | - |
| Injection pressure | 75 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Europe, Asia Pacific

Delivery form

Black