

Product Texts

Alternative for aluminium- and zinc diecast alloys.

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|-------------------------------------|------------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 9 / * | cm ³ /10min | ISO 1133 |
| Temperature | 275 / * | °C | - |
| Load | 5 / * | kg | - |
| Molding shrinkage, parallel | 0.1 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.4 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|---------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 17500 / 16500 | MPa | ISO 527 |
| Stress at break | 250 / 220 | MPa | ISO 527 |
| Strain at break | 3 / 3 | % | ISO 527 |
| Flexural modulus, 23°C | 16400 / - | MPa | ISO 178 |
| Flexural strength | 380 / - | MPa | ISO 178 |
| Charpy impact strength, +23°C | 105 / 100 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 95 / - | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 17 / 17 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 15 / - | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 290 / - | MPa | ISO 2039-1 |

| 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 | 225 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 245 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 242 / * | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 15 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 65 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|-----------------------------|------------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 4.42 / - | - | IEC 62631-2-1 |
| Volume resistivity | 9.1E11 / - | Ohm*m | IEC 62631-3-1 |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|------------------|------------|-------------------|----------------|
| Water absorption | 4 / * | % | Sim. to ISO 62 |
| Density | 1590 / - | 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

Natural Color