

Product Texts

Partially aromatic PA66 blend with 40% glass fiber proportions and heat stabilized. The product tends to reduced warpage and has improved flow characteristics.

For injection-moulded components with high requirements to isotropic strength properties.

preliminary data

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|----------------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 13500 / 12500 | MPa | ISO 527 |
| Stress at break | 230 / 215 | MPa | ISO 527 |
| Strain at break | 3 / 3 | % | ISO 527 |
| Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 / 15 | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 260 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 238 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 248 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------|-------------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | 1E12 / - | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E13 | Ohm | IEC 62631-3-2 |
| Electric strength | 33 / - | kV/mm | IEC 60243-1 |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| Water absorption | 4.5 / * | % | Sim. to ISO 62 |
| Humidity absorption | 1.6 / * | % | Sim. to ISO 62 |
| Density | 1460 / - | kg/m ³ | ISO 1183 |

Characteristics

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe

Features

Low Warpage