

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|---------------|-------------------|-----------------|
| ISO Data | | | |
| Tensile Modulus | 14600 / 12000 | MPa | ISO 527 |
| Stress at break | 180 / 145 | MPa | ISO 527 |
| Strain at break | 3 / 4 | % | ISO 527 |
| Charpy impact strength, +23°C | 85 / 90 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 7 / 11 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 230 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 235 / * | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 25 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 75 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Surface resistivity | * / 100000 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 100 / - | - | IEC 60112 |
| Other properties | | | |
| dry / cond | | | |
| Water absorption | 6.3 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2 / * | % | Sim. to ISO 62 |
| Density | 1350 / - | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Value | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.15 | % | - |
| Melt temperature | 280 - 300 | °C | - |
| Mold temperature | 80 - 90 | °C | - |

Characteristics

Processing

Injection Molding

Special Characteristics

Increased electrical conductivity, High impact or impact modified

Regional Availability

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