

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 10 | cm ³ /10min | ISO 1133 |
| Temperature | 220 | °C | - |
| Load | 10 | kg | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 2400 | MPa | ISO 527 |
| Yield stress | 38 | MPa | ISO 527 |
| Yield strain | 2.5 | % | ISO 527 |
| Charpy impact strength, +23°C | 35 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 7 | kJ/m ² | ISO 179/1eA |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 94 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 99 | °C | ISO 75-1/-2 |
| Vicat softening temperature, A | 102 | °C | ISO 306 |
| Vicat softening temperature, B | 95 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 95 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Burning behav. 5V at thickness h | 5VA | class | IEC 60695-11-20 |
| Thickness tested | 3.0 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.5 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 700 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1.5 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Relative permittivity, 1MHz | 2.8 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 79 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E11 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E13 | Ohm | IEC 62631-3-2 |
| Electric strength | 38 | kV/mm | IEC 60243-1 |
| Other properties | | | |
| Water absorption | 0.95 | % | Sim. to ISO 62 |
| Humidity absorption | 0.24 | % | Sim. to ISO 62 |
| Density | 1230 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Melt temperature | 220 - 260 | °C | - |
| Mold temperature | 30 - 80 | °C | - |

Characteristics

Processing

Injection Molding

Regional Availability

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

Special Characteristics

Flame retardant