

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|------------|-------------------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.5 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.5 / * | % | ISO 294-4, 2577 |
| Mechanical properties | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Tensile Modulus | 13800 / - | MPa | ISO 527 |
| Stress at break | 75 / - | MPa | ISO 527 |
| Strain at break | 0.7 / - | % | ISO 527 |
| Flexural modulus, 23°C | 14500 / - | MPa | ISO 178 |
| Flexural strength | 135 / - | MPa | ISO 178 |
| Izod impact strength, +23°C | 10 / - | kJ/m ² | ISO 180/1U |
| Thermal properties | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 160 / * | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 212 / * | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |
| Burning behav. at thickness h | V-0 / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 0.75 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (2) | 1.5 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (3) | 3 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 775 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 0.75 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 775 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (2) | 1.5 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 775 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (3) | 3 | mm | - |
| Electrical properties | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | dry / cond | Unit | Test Standard |
| Density | 1730 / - | kg/m ³ | ISO 1183 |
| Bulk density | 800 | kg/m ³ | - |
| Test specimen production | Value | Unit | Test Standard |
| ISO Data | | | |
| Injection Molding, melt temperature | 260 | °C | ISO 294 |
| Injection Molding, mold temperature | 80 | °C | ISO 294 |
| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 - 6 | h | - |
| Processing humidity | ≤0.07 | % | - |
| Melt temperature | 250 - 280 | °C | - |
| Mold temperature | 80 - 100 | °C | - |

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Thermally Conductive