

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|-------------------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 145 | MPa | ISO 527 |
| Strain at break | 2 | % | ISO 527 |
| Flexural modulus, 23°C | 18000 | MPa | ISO 178 |
| Flexural strength | 180 | MPa | ISO 178 |
| Izod impact strength, +23°C | 35 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 7 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 165 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 30 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| Glow Wire Flammability Index (GWFI) | 750 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.6 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 750 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1.6 | mm | - |
| Electrical properties | | | |
| ASTM Data | | | |
| Surface Resistivity | 10 | Ohm | ASTM D 257 |
| Other properties | | | |
| Water absorption | 0.75 | % | Sim. to ISO 62 |
| Humidity absorption | 0.35 | % | Sim. to ISO 62 |
| Density | 1470 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 3 - 5 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Melt temperature | 240 - 270 | °C | - |
| Mold temperature | 50 - 100 | °C | - |
| Back pressure | 0 - 1 | MPa | - |

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Special Characteristics

Increased electrical conductivity