

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.2 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.2 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 3400 | MPa | ISO 527 |
| Yield stress | 80 | MPa | ISO 527 |
| Strain at break | 4.5 | % | ISO 527 |
| Flexural modulus, 23°C | 3050 | MPa | ISO 178 |
| Flexural strength | 108 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 3 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|--------------|-------------|----------------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 304 | °C | ISO 11357-1/-3 |
| Glass transition temperature, 10°C/min | 125 | °C | ISO 11357-1/-2 |
| Temp. of deflection under load, 1.80 MPa | 130 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 280 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 55 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 55 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |
| Glow Wire Flammability Index (GWFI) | 750 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 2 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| Volume resistivity | 1E13 | Ohm*m | IEC 62631-3-1 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 920 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 4 - 8 | h | - |
| Processing humidity | ≤0.1 | % | - |
| Melt temperature | 315 - 335 | °C | - |
| Mold temperature | 135 - 145 | °C | - |

Characteristics

Processing

Injection Molding

Regional Availability

Europe