

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-----------|-------------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 37 | g/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Molding shrinkage, parallel | 0.6 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.6 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Stress at break | 60 | MPa | ISO 527 |
| Strain at break | 120 | % | ISO 527 |
| Flexural modulus, 23°C | 2300 | MPa | ISO 178 |
| Flexural strength | 95 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 11 | kJ/m ² | ISO 180/1A |
| Thermal properties | | | |
| ISO Data | | | |
| Glass transition temperature, 10°C/min | 145 | °C | ISO 11357-1/-2 |
| Temp. of deflection under load, 1.80 MPa | 120 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 135 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 65 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 65 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-2 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Burning rate, FMVSS, Thickness 1 mm | 100 | mm/min | ISO 3795 (FMVSS 302) |
| Glow Wire Flammability Index (GWFI) | 875 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.5 | mm | - |
| Glow Wire Flammability Index (GWFI) | 930 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (2) | 3 | mm | - |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E12 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E16 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1190 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 280 - 320 | °C | - |
| Mold temperature | 80 - 120 | °C | - |

Characteristics

Processing

Injection Molding

Features

Light Diffusing

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

Europe