

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 5 | cm ³ /10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 0.3 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.1 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 11000 | MPa | ISO 527 |
| Stress at break | 150 | MPa | ISO 527 |
| Strain at break | 2.2 | % | ISO 527 |
| Flexural modulus, 23°C | 9000 | MPa | ISO 178 |
| Flexural strength | 220 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 60 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 55 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 10 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 9 | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 235 | MPa | ISO 2039-1 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 223 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 210 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 220 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 8.00 MPa | 165 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 225 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 30 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 80 | E-6/K | ISO 11359-1/-2 |
| 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) | 2 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|------------------------------|-------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 100Hz | 4 | - | IEC 62631-2-1 |
| Relative permittivity, 1MHz | 3.9 | - | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 30 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 200 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|----------------|
| Water absorption | 0.4 | % | Sim. to ISO 62 |
| Density | 1660 | kg/m ³ | ISO 1183 |

| Material specific properties | Value | Unit | Test Standard |
|------------------------------|-------|--------------------|---------------------|
| ISO Data | | | |
| Viscosity number | 87 | cm ³ /g | ISO 307, 1157, 1628 |

Characteristics

Delivery form

Natural Color

Regional Availability

North America, Europe

Special Characteristics

Flame retardant