

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 3400 | MPa | ISO 527 |
| Yield stress | 78 | MPa | ISO 527 |
| Yield strain | 3.7 | % | ISO 527 |
| Strain at break | 5.6 | % | ISO 527 |
| Flexural modulus, 23°C | 3100 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 100 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 100 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 5 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 3 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 5 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 4 | kJ/m ² | ISO 180/1A |
| Temperature | -20 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 75 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 190 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 205 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 75 | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 80 | E-6/K | ISO 11359-1/-2 |
| Oxygen index | 32 | % | ISO 4589-1/-2 |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.75 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 3 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 190 | E-4 | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 15 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 650 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 9 | % | Sim. to ISO 62 |
| Humidity absorption | 2.2 | % | Sim. to ISO 62 |
| Density | 1180 | kg/m ³ | ISO 1183 |

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Low Odor

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

Flame retardant