

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 35 | cm ³ /10min | ISO 1133 |
| Temperature | 360 | °C | - |
| Load | 10 | kg | - |
| Molding shrinkage, parallel | 0.9 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2300 | MPa | ISO 527 |
| Yield stress | 74 | MPa | ISO 527 |
| Yield strain | 7.5 | % | ISO 527 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 69 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 25 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 55 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength | 23 | kJ/m ² | ISO 180/1A |
| Temperature | -30 | °C | - |
| Ball indentation hardness | 124 | MPa | ISO 2039-1 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Glass transition temperature, 10°C/min | 220 | °C | ISO 11357-1/-2 |
| Temp. of deflection under load, 1.80 MPa | 197 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 55 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 1.2 | % | Sim. to ISO 62 |
| Humidity absorption | 0.6 | % | Sim. to ISO 62 |
| Density | 1310 | kg/m ³ | ISO 1183 |
| Bulk density | 750 | kg/m ³ | - |

| Material specific properties | Value | Unit | Test Standard |
|------------------------------|-------|--------------------|---------------------|
| ISO Data | | | |
| Viscosity number | 71 | cm ³ /g | ISO 307, 1157, 1628 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Melt temperature | 350 - 390 | °C | - |
| Mold temperature | 140 - 180 | °C | - |

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa