

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 7.5 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Melt flow index, MFI | 9 | g/10min | ISO 1133 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 3100 | MPa | ISO 527 |
| Yield stress | 65 | MPa | ISO 527 |
| Strain at break | 18 | % | ISO 527 |
| Flexural modulus, 23°C | 3000 | MPa | ISO 178 |
| ^[C] Charpy notched impact strength, +23°C | 4 | kJ/m ² | ISO 179/1eA |

ASTM Data

| | | | |
|-----------------------------|------|-----|------------|
| Tensile Strength | 66 | MPa | ASTM D 638 |
| Elongation at Break | 20 | % | ASTM D 638 |
| Flexural Modulus | 2730 | MPa | ASTM D 790 |
| Flexural Strength | 96 | MPa | ASTM D 790 |
| Rockwell Hardness | M 94 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 41 | J/m | ASTM D 256 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 100 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 164 | °C | ISO 75-1/-2 |
| ^[C] Coeff. of linear therm. expansion, parallel | 100 | E-6/K | ISO 11359-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Yellow Card available | yes | - | - |
| ^[C] Burning Behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Yellow Card available | yes | - | - |

ASTM Data

| | | | |
|--------------------------------------|-----|-------|------------|
| UL 94 Flame rating | HB | - | UL 94 |
| Coefficient of Thermal Expansion, MD | 100 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 172 | °C | ASTM D 648 |
| DTUL @ 264 psi | 136 | °C | ASTM D 648 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| ^[C] Density | 1460 | kg/m ³ | ISO 1183 |
| Water Absorption, 24hr | 0.2 | % | ASTM D 570 |
| Density | 1460 | kg/m ³ | ASTM D 792 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 - 90 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 190 - 210 | °C | - |
| Mold temperature | 60 | °C | - |

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Pellets

Additives

Lubricants

Features

Tribologic Grade, Homopolymer

Regional Availability

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