

Product Texts

- MVR (300 °C/1.2 kg) 19 cm³/10 min
- low viscosity
- easy release
- UV stabilized
- variable content of filler for high reflectance application

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|-----------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 19 | cm³/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2600 | MPa | ISO 527 |
| Yield stress | 60 | MPa | ISO 527 |
| Yield strain | 5.5 | % | ISO 527 |
| Nominal strain at break | >50 | % | ISO 527 |
| Stress at break | 55 | MPa | ISO 527 |
| Strain at break | 95 | % | ISO 527 |
| Flexural modulus, 23°C | 2620 | MPa | ISO 178 |
| Flexural strength | 96 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | N | kJ/m² | ISO 179/1eU |
| Izod notched impact strength, +23°C | 15 | kJ/m² | ISO 180/1A |
| ^[C] Puncture - maximum force, +23°C | 5100 | N | ISO 6603-2 |
| ^[C] Puncture energy, +23°C | 50 | J | ISO 6603-2 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| ^[C] Vicat softening temperature, B | 144 | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | V-2 | 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 | 3.0 | mm | - |
| Yellow Card available | yes | - | - |
| Glow Wire Flammability Index (GWFI) | 850 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 0.75 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (2) | 3 | mm | - |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------|---------------|
| ^[C] Density | 1340 | kg/m³ | ISO 1183 |

[C]: CAMPUS

| Test specimen production | Value | Unit | Test Standard |
|--|-------|------|---------------|
| ISO Data | | | |
| ^[C] Injection Molding, melt temperature | 280 | °C | ISO 294 |
| Injection Molding, mold temperature | 80 | °C | ISO 294 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 2 - 3 | h | - |

| | | | |
|---------------------|-----------|-----|---|
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 280 - 320 | °C | - |
| Mold temperature | 80 - 120 | °C | - |
| Zone 1 | 250 - 260 | °C | - |
| Zone 2 | 270 - 280 | °C | - |
| Zone 3 | 280 - 290 | °C | - |
| Nozzle temperature | 290 - 300 | °C | - |
| Back pressure | 5 - 15 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

White

Additives

Release agent

Special Characteristics

U.V. stabilized or stable to weather

Features

Light Reflecting

Regional Availability

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