

Product Texts

- MVR (300 °C/1.2 kg) 34 cm³/10 min
- low viscosity
- easy release
- UV stabilized
- Automotive interior
- developed for coated high-gloss surfaces

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------|-----------|-----------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 34 | cm³/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| ^[C] Molding shrinkage, parallel | 0.7 | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.7 | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|---------------|-------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 2350 | MPa | ISO 527 |
| ^[C] Yield stress | 63 | MPa | ISO 527 |
| ^[C] Yield strain | 6 | % | ISO 527 |
| ^[C] Nominal strain at break | >50 | % | ISO 527 |
| Flexural modulus, 23°C | 2350 | MPa | ISO 178 |
| Flexural strength | 97 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | N | kJ/m² | ISO 179/1eU |
| Charpy impact strength, -30°C | N | kJ/m² | ISO 179/1eU |
| Izod notched impact strength, +23°C | 55 | kJ/m² | ISO 180/1A |
| Izod notched impact strength | 12 | kJ/m² | ISO 180/1A |
| Temperature | -30 | °C | - |
| Ball indentation hardness | 115 | MPa | ISO 2039-1 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|------------|-------|----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 123 | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 136 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 143 | °C | ISO 306 |
| ^[C] Coeff. of linear therm. expansion, parallel | 65 | E-6/K | ISO 11359-1/-2 |
| ^[C] Coeff. of linear therm. expansion, normal | 65 | E-6/K | ISO 11359-1/-2 |

[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 |
| Injection Molding, injection velocity | 200 | mm/s | 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

Additives

Release agent

Special Characteristics

U.V. stabilized or stable to weather, Transparent

Features

High Gloss

Applications

Automotive

Regional Availability

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