

Product TextsUL Yellow Card Link [E207780-101110005](https://www.ul.com/yellow-card-link/E207780-101110005)

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|---------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 15 | cm ³ /10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 16 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2000 | MPa | ISO 527 |
| Yield stress | 56 | MPa | ISO 527 |
| Yield strain | 6 | % | ISO 527 |
| Stress at break | 57 | MPa | ISO 527 |
| Strain at break | 50 | % | ISO 527 |
| Flexural modulus | 2100 | MPa | ISO 178 |
| Charpy impact strength, +23°C, 3mm | N | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C, 3mm | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C, 3mm | 70 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C, 3mm | 35 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C, 3mm | 65 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength, -30°C, 3mm | 30 | kJ/m ² | ISO 180/1A |
| ASTM Data | | | |
| Tensile Modulus | 2100 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 58 | MPa | ASTM D 638 |
| Tensile Strength at Break | 59 | MPa | ASTM D 638 |
| Elongation at Yield | 6 | % | ASTM D 638 |
| Elongation at Break | 115 | % | ASTM D 638 |
| Flexural Modulus | 2400 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 785 | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 380 | J/m | ASTM D 256 |
| Temperature | -40 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 118 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 139 | °C | ISO 306 |
| Vicat softening temperature, 120°C/h 50N | 141 | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. 5V at thickness h | 5VA | class | IEC 60695-11-20 |
| Thickness tested | 3.0 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (3) | 1.5 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 825 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (3) | 3 | mm | - |
| ASTM Data | | | |
| DTUL @ 264 psi | 123 | °C | ASTM D 648 |
| Vicat Temperature | 140 | °C | ASTM D 1525 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|------|----------------|
| Water absorption | 0.4 | % | Sim. to ISO 62 |

| | | | |
|---------------------|-------------|-------------------|----------------|
| Humidity absorption | 0.15 | % | Sim. to ISO 62 |
| Density | 1190 | kg/m ³ | ISO 1183 |
| Density | 1190 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 295 - 315 | °C | - |
| Mold temperature | 70 - 95 | °C | - |
| Zone 1 | 270 - 295 | °C | - |
| Zone 2 | 280 - 305 | °C | - |
| Zone 3 | 295 - 315 | °C | - |
| Screw speed | 40 - 70 | rpm | - |
| Back pressure | 0.3 - 0.7 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

Automotive