

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 1.1 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.2 | % | ISO 294-4, 2577 |
| Thermal conductivity of melt | 0.29 | W/(m K) | - |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 4200 | MPa | ISO 527 |
| Yield stress | 115 | MPa | ISO 527 |
| Strain at break | 25 | % | ISO 527 |
| Flexural modulus, 23°C | 4000 | MPa | ISO 178 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 4 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | N | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 6 | kJ/m ² | ISO 180/1A |
| Shore D hardness | 84.5 | - | ISO 7619-1 |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 387 | °C | ISO 11357-1/-3 |
| Glass transition temperature, 10°C/min | 162 | °C | ISO 11357-1/-2 |
| Temp. of deflection under load, 1.80 MPa | 172 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 45 | E-6/K | ISO 11359-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Dissipation factor, 1MHz | 40 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E14 | Ohm*m | IEC 62631-3-1 |
| Electric strength | 23 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 150 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1300 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 150 - 180 | °C | - |
| Pre-drying - Time | 3 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Mold temperature | 200 - 220 | °C | - |
| Feed temperature | ≤100 | °C | - |
| Zone 1 | 385 | °C | - |
| Zone 2 | 395 | °C | - |
| Zone 3 | 400 | °C | - |
| Zone 4 | 405 | °C | - |
| Nozzle temperature | 410 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Chemical Resistance

General Chemical Resistance

Regional Availability

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

Features

Ductile