

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|-------------------------------------|------------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.3 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 10000 / 7100 | MPa | ISO 527 |
| Stress at break | 200 / 130 | MPa | ISO 527 |
| Strain at break | 3 / 6 | % | ISO 527 |
| Flexural modulus, 23°C | 8800 / 7200 | MPa | ISO 178 |
| Flexural strength | 285 / 220 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 85 / 95 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength, -30°C | 80 / - | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 12 / 16 | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | 11 / - | kJ/m ² | ISO 179/1eA |
| Ball indentation hardness | 240 / - | MPa | ISO 2039-1 |

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 255 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 260 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 8.00 MPa | 210 / * | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 19 / * | E-6/K | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion, normal | 95 / * | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |
| Glow Wire Flammability Index (GWFI) | 650 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.6 | mm | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|----------------------------|------------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1E11 / 1E8 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E10 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 600 / - | - | IEC 60112 |

| Other properties | dry / cond | Unit | Test Standard |
|------------------|------------|-------------------|----------------|
| Water absorption | 5.8 / * | % | Sim. to ISO 62 |
| Density | 1360 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------|------|---------------|
| Melt temperature | 320 | °C | - |
| Mold temperature | 100 | °C | - |
| Injection pressure | 75 | MPa | - |

Characteristics

Processing

Injection Molding

Delivery form

Natural Color

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

Europe, Asia Pacific