

Product Texts

15% PTFE

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.2 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 175 | MPa | ISO 527 |
| Strain at break | 1.5 | % | ISO 527 |
| Flexural modulus, 23°C | 18500 | MPa | ISO 178 |
| Flexural strength | 255 | MPa | ISO 178 |
| Izod impact strength, +23°C | 35 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 8 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 315 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 15 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |
| Glow Wire Flammability Index (GWFI) | 960 | °C | IEC 60695-2-12 |
| GWFI - thickness tested (1) | 1.6 | mm | - |
| Glow Wire Ignition Temperature (GWIT) | 960 | °C | IEC 60695-2-13 |
| GWIT - thickness tested (1) | 1.6 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|--------|------|---------------|
| ASTM Data | | | |
| Surface Resistivity | 100000 | Ohm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 0.3 | % | Sim. to ISO 62 |
| Humidity absorption | 0.1 | % | Sim. to ISO 62 |
| Density | 1490 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 150 - 180 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 380 - 410 | °C | - |
| Mold temperature | 160 - 200 | °C | - |
| Back pressure | 0.25 - 1 | MPa | - |

Characteristics

Processing

Injection Molding

Additives

Lubricants

Special Characteristics

Increased electrical conductivity

Regional Availability

Europe