

LUVOCOM 1106-7227

(PEEK+PTFE)-CF

LEHVOSS Group

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|------------------|-------------------|----------------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.1 | % | ISO 294-4, 2577 |
| Thermal conductivity of melt | 0.49 | W/(m K) | - |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Modulus | 23000 | MPa | ISO 527 |
| Tensile Strength | 210 | MPa | ISO 527 |
| Flexural modulus, 23°C | 20000 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 30 | kJ/m ² | ISO 179/1eU |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 208 | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Electrical properties | | | |
| ISO Data | | | |
| Surface resistivity | 1000 | Ohm | IEC 62631-3-2 |
| Other properties | | | |
| Density | 1460 | kg/m ³ | ISO 1183 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | ≥8 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 380 | °C | - |
| Mold temperature | 150 - 180 | °C | - |
| Zone 1 | 330 - 350 | °C | - |
| Zone 2 | 340 - 390 | °C | - |
| Zone 3 | 350 - 400 | °C | - |
| Nozzle temperature | 350 - 400 | °C | - |

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Delivery form

Black

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Heat stabilized or stable to heat