# LUVOCOM 1850/GF/30/TF/13/SI/2/BK

(PBT+PTFE)-GF LEHVOSS Group

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Molding shrinkage, parallel | **0.3** | % | ISO 294-4, 2577 |
| Thermal conductivity of melt | **0.4** | W/(m K) | - |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **10000** | MPa | ISO 527 |
| Tensile Strength | **120** | MPa | ISO 527 |
| Flexural modulus, 23°C | **9500** | MPa | ISO 178 |
| Charpy impact strength, +23°C | **50** | kJ/m² | ISO 179/1eU |
| Charpy impact strength, -30°C | **57** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **10** | kJ/m² | ISO 179/1eA |
| Charpy notched impact strength, -30°C | **10** | kJ/m² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Temp. of deflection under load, 1.80 MPa | **210** | °C | ISO 75-1/-2 |
| Vicat softening temperature, A | **210** | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | **23** | E-6/K | ISO 11359-1/-2 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1630** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **120** | °C | - |
| Pre-drying - Time | **4 - 6** | h | - |
| Processing humidity | **≤0.02** | % | - |
| Melt temperature | **250** | °C | - |
| Mold temperature | **60 - 120** | °C | - |
| Zone 1 | **240 - 260** | °C | - |
| Zone 2 | **260 - 280** | °C | - |
| Zone 3 | **250 - 270** | °C | - |
| Nozzle temperature | **250 - 265** | °C | - |

## Characteristics

**Processing**
Injection Molding

**Delivery form**
Black

**Additives**
Lubricants

**Features**
Tribologic Grade

**Applications**
Automotive, IT / Business Machine, Electrical and Electronical

**Regional Availability**
North America, Europe, Asia Pacific