

LUVOCOM 1301-7449

(PPS+PTFE)-CF

LEHVOSS Group

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|------------------------|-----------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 7 | cm ³ /10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 10 | kg | - |
| Melt flow index, MFI | 10 | g/10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 10 | kg | - |
| Molding shrinkage, parallel | 0.1 | % | ISO 294-4, 2577 |
| Thermal conductivity of melt | 0.75 | W/(m K) | - |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|--------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 25000 | MPa | ISO 527 |
| Tensile Strength | 180 | MPa | ISO 527 |
| Flexural modulus, 23°C | 22000 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 25 | kJ/m ² | ISO 179/1eU |

| Thermal properties | Value | Unit | Test Standard |
|---|------------|-------|-----------------|
| ISO Data | | | |
| Vicat softening temperature, A | 240 | °C | ISO 306 |
| Coeff. of linear therm. expansion, parallel | 9 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------------|------|---------------|
| ISO Data | | | |
| Surface resistivity | 1000 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1540 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 100 - 140 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 330 | °C | - |
| Mold temperature | 150 - 180 | °C | - |
| Zone 1 | 300 - 320 | °C | - |
| Zone 2 | 310 - 330 | °C | - |
| Zone 3 | 320 - 340 | °C | - |
| Nozzle temperature | 320 - 340 | °C | - |

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Increased electrical conductivity, Flame retardant

Features

Creep Resistance, Tribologic Grade

Applications

Automotive, IT / Business Machine, Electrical and Electronical, Medical

Regional Availability

North America, Europe, Asia Pacific