

**LUVOCOM 1/CF/20/TF/5**

(PA66+PTFE)-CF

LEHVOSS Group

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>0.3</b>	%	ISO 294-4, 2577
Thermal conductivity of melt	<b>0.43</b>	W/(m K)	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>13000</b>	MPa	ISO 527
Tensile Strength	<b>210</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>11000</b>	MPa	ISO 178
Charpy impact strength, -30°C	<b>30</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>11</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Coeff. of linear therm. expansion, parallel	<b>18</b>	E-6/K	ISO 11359-1/-2
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>10000</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1260</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>75</b>	°C	-
Pre-drying - Time	<b>6 - 16</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Melt temperature	<b>290</b>	°C	-
Mold temperature	<b>90 - 120</b>	°C	-
Zone 1	<b>290 - 310</b>	°C	-
Zone 2	<b>290 - 310</b>	°C	-
Zone 3	<b>290 - 310</b>	°C	-
Nozzle temperature	<b>280 - 300</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Warpage, Tribologic Grade

**Delivery form**

Black

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical

**Additives**

Lubricants

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity, Heat stabilized or stable to heat