

**LUVOCOM 1-1111 VP**

(PA66+PTFE)-CF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Thermal conductivity of melt	0.43	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	14000	MPa	ISO 527
Tensile Strength	200	MPa	ISO 527
Flexural modulus, 23°C	12000	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Coeff. of linear therm. expansion, parallel	18	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Surface resistivity	100000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1260	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75	°C	-
Pre-drying - Time	6 - 16	h	-
Processing humidity	≤0.1	%	-
Melt temperature	290	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	290 - 310	°C	-
Zone 2	290 - 310	°C	-
Zone 3	290 - 310	°C	-
Nozzle temperature	280 - 300	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Additives**

Lubricants

**Special Characteristics**

Increased electrical conductivity, Heat stabilized or stable to heat

**Features**

Low Warpage, Tribologic Grade

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific