

LUVOCOM 1100-8549

(PESU+PTFE)-CF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4	cm ³ /10min	ISO 1133
Temperature	345	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13000	MPa	ISO 527
Tensile Strength	87	MPa	ISO 527
Flexural modulus, 23°C	11000	MPa	ISO 178
Charpy impact strength, +23°C	15	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	220	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	13	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1000000	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1700	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.05	%	-
Melt temperature	350	°C	-
Mold temperature	120 - 200	°C	-
Zone 1	355 - 375	°C	-
Zone 2	360 - 380	°C	-
Zone 3	350 - 370	°C	-
Nozzle temperature	340 - 360	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Additives

Lubricants

Special Characteristics

Increased electrical conductivity

Applications

Aircraft and Aerospace, Electrical and Electronical, Medical, Sports Equipment

Regional Availability

North America, Europe, Asia Pacific