

LUVOCOM 20-0665

(PPA+PTFE)-CF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Thermal conductivity of melt	0.36	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	16000	MPa	ISO 527
Tensile Strength	210	MPa	ISO 527
Flexural modulus, 23°C	14000	MPa	ISO 178
Charpy impact strength, +23°C	43	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	38	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Surface resistivity	100000	Ohm	IEC 62631-3-2
Other properties			
Density	1380	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	16	h	-
Processing humidity	≤0.05	%	-
Melt temperature	330	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	320 - 340	°C	-
Zone 2	320 - 345	°C	-
Zone 3	325 - 350	°C	-
Nozzle temperature	320 - 330	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Additives

Lubricants

Special Characteristics

Increased electrical conductivity

Applications

Automotive, IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific