

LUVOCOM 80/CF/12/TF/10/BK 100

(POM+PTFE)-CF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Thermal conductivity of melt	0.4	W/(m K)	-
Mechanical properties			
ISO Data			
Tensile Modulus	11000	MPa	ISO 527
Tensile Strength	95	MPa	ISO 527
Flexural modulus, 23°C	8500	MPa	ISO 178
Charpy impact strength, +23°C	18	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	130	°C	ISO 75-1/-2
Vicat softening temperature, A	160	°C	ISO 306
Coeff. of linear therm. expansion, parallel	60	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Surface resistivity	10000	Ohm	IEC 62631-3-2
Other properties			
Density	1500	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	75	°C	-
Pre-drying - Time	2 - 8	h	-
Melt temperature	200	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	175 - 190	°C	-
Zone 2	185 - 205	°C	-
Zone 3	180 - 200	°C	-
Nozzle temperature	175 - 200	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Additives

Lubricants

Special Characteristics

Increased electrical conductivity, Anti-static

Features

Tribologic Grade

Applications

Automotive, IT / Business Machine

Regional Availability

North America, Europe, Asia Pacific