

LUVOCOM 19-7416

(PA46+PTFE)-CF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Thermal conductivity of melt	0.35	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13000	MPa	ISO 527
Tensile Strength	200	MPa	ISO 527
Flexural modulus, 23°C	12000	MPa	ISO 178
Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	290	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2

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

Other properties	Value	Unit	Test Standard
Density	1330	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 8	h	-
Processing humidity	≤0.1	%	-
Melt temperature	310	°C	-
Mold temperature	90 - 130	°C	-
Zone 1	285 - 315	°C	-
Zone 2	305 - 315	°C	-
Zone 3	305 - 315	°C	-
Nozzle temperature	280 - 330	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Increased electrical conductivity

Applications

Automotive, IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific