LUVOCOM 1/CF/15/HS

PA66-CF LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**8**	cm³/10min	ISO 1133
Temperature	**285**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Thermal conductivity of melt	**0.38**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**12000**	MPa	ISO 527
Tensile Strength	**200**	MPa	ISO 527
Flexural modulus, 23°C	**10000**	MPa	ISO 178
Charpy impact strength, +23°C	**45**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**30**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**9**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**7**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**245**	°C	ISO 75-1/-2
Vicat softening temperature, A	**250**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**27**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**10000**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1180**	kg/m³	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

Special Characteristics
Increased electrical conductivity, Heat stabilized or stable to heat

Applications
Automotive, IT / Business Machine, Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific