LUVOCOM 1106-8465

PEEK-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	**6**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**21000**	MPa	ISO 527
Tensile Strength	**125**	MPa	ISO 527
Flexural modulus, 23°C	**18000**	MPa	ISO 178
Charpy impact strength, +23°C	**14**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**200**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**8**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10

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

Other properties	Value	Unit	Test Standard
Density	**1430**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**≥8**	h	-
Processing humidity	**≤0.05**	%	-
Melt temperature	**380**	°C	-
Mold temperature	**150 - 180**	°C	-
Zone 1	**330 - 350**	°C	-
Zone 2	**340 - 390**	°C	-
Zone 3	**350 - 400**	°C	-
Nozzle temperature	**350 - 400**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Increased electrical conductivity, Anti-static, Flame retardant, Heat stabilized or stable to heat, Thermally Conductive

Applications
Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific