LUVOCOM 1105-0918/BL

PEEK-GF LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.5**	%	ISO 294-4, 2577
Thermal conductivity of melt	**0.4**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**11000**	MPa	ISO 527
Tensile Strength	**145**	MPa	ISO 527
Flexural modulus, 23°C	**9000**	MPa	ISO 178
Charpy impact strength, -30°C	**40**	kJ/m²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**315**	°C	ISO 75-1/-2
Vicat softening temperature, A	**325**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**22**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10

Other properties	Value	Unit	Test Standard
Density	**1570**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**150**	°C	-
Pre-drying - Time	**3 - 6**	h	-
Processing humidity	**≤0.05**	%	-
Melt temperature	**390**	°C	-
Mold temperature	**170 - 200**	°C	-
Zone 1	**360 - 370**	°C	-
Zone 2	**380 - 390**	°C	-
Zone 3	**390 - 400**	°C	-
Nozzle temperature	**360 - 380**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Chemical Resistance
General Chemical Resistance, Hydrolytically Stable

Applications
Aircraft and Aerospace, Automotive, Medical

Regional Availability
North America, Europe, Asia Pacific

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