LUVOCOM 1105-8356

PEEK LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**22**	cm³/10min	ISO 1133
Temperature	**380**	°C	-
Load	**10**	kg	-
Molding shrinkage, parallel	**1.3**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**4000**	MPa	ISO 527
Tensile Strength	**95**	MPa	ISO 527
Flexural modulus, 23°C	**3500**	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**150**	°C	ISO 75-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E13**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1310**	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

Delivery form
Natural Color

Special Characteristics
Flame retardant

Chemical Resistance
General Chemical Resistance

Applications
Aircraft and Aerospace, Automotive, Medical

Regional Availability
North America, Europe, Asia Pacific