LUVOCOM 3F PEEK 9581 NT

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	-
Other Standards[S]			
Molding shrinkage, parallel	**1.5**	%	DIN 16901

S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3800**	MPa	ISO 527
Tensile Strength	**97**	MPa	ISO 527
Flexural modulus, 23°C	**3400**	MPa	ISO 178
Flexural strength	**145**	MPa	ISO 178
Charpy impact strength, +23°C	**185**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**185**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7**	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	**145**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**1E12**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1310**	kg/m³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	**150**	°C	-
Pre-drying - Time	**3 - 6**	h	-
Melt temperature	**390**	°C	-
Zone 1	**360 - 370**	°C	-
Zone 2	**380 - 390**	°C	-
Zone 3	**390 - 400**	°C	-
Nozzle temperature	**360 - 380**	°C	-

Characteristics

Processing
Other Extrusion, Additive Manufacturing

Chemical Resistance
General Chemical Resistance

Delivery form
Pellets, Natural Color

Applications
Aircraft and Aerospace, Filament for 3D Printing

Special Characteristics
Flame retardant, Heat stabilized or stable to heat

Regional Availability
North America, Europe, Asia Pacific, South and Central America