

LUVOCOM 1105-7714

(PEEK+PTFE)

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.9	%	ISO 294-4, 2577
Thermal conductivity of melt	0.25	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4000	MPa	ISO 527
Tensile Strength	75	MPa	ISO 527
Flexural modulus, 23°C	3400	MPa	ISO 178
Charpy impact strength, +23°C	32	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
ISO Data			
Coeff. of linear therm. expansion, parallel	50	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	1550	kg/m ³	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

Additives

Lubricants

Special Characteristics

Flame retardant

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Applications

Aircraft and Aerospace, Automotive, Medical

Regional Availability

North America, Europe, Asia Pacific