

LUVOCOM 20-0778

(PPA+PTFE)-GF

LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Thermal conductivity of melt	0.26	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12000	MPa	ISO 527
Tensile Strength	225	MPa	ISO 527
Flexural modulus, 23°C	11000	MPa	ISO 178
Charpy impact strength, +23°C	75	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	68	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Vicat softening temperature, A	295	°C	ISO 306
Coeff. of linear therm. expansion, parallel	25	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1550	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	16	h	-
Processing humidity	≤0.05	%	-
Melt temperature	330	°C	-
Mold temperature	135 - 160	°C	-
Zone 1	320 - 340	°C	-
Zone 2	320 - 345	°C	-
Zone 3	325 - 350	°C	-
Nozzle temperature	320 - 330	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive, IT / Business Machine

Delivery form

Natural Color

Regional Availability

North America, Europe, Asia Pacific