LUVOCOM 1100/GF/20/EM/MR

PESU-GF LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.4**	%	ISO 294-4, 2577
Thermal conductivity of melt	**0.33**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**8000**	MPa	ISO 527
Tensile Strength	**130**	MPa	ISO 527
Flexural modulus, 23°C	**6000**	MPa	ISO 178
Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**210**	°C	ISO 75-1/-2
Vicat softening temperature, A	**220**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**31**	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	**1510**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**150**	°C	-
Pre-drying - Time	**3 - 5**	h	-
Processing humidity	**≤0.05**	%	-
Melt temperature	**350**	°C	-
Mold temperature	**120 - 200**	°C	-
Zone 1	**355 - 375**	°C	-
Zone 2	**360 - 380**	°C	-
Zone 3	**350 - 370**	°C	-
Nozzle temperature	**340 - 360**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Natural Color

Chemical Resistance
Hydrolytically Stable

Applications
Aircraft and Aerospace, Electrical and Electronical, Medical, Sports Equipment

Regional Availability
North America, Europe, Asia Pacific