LUVOCOM 1301/CF/20

PPS-CF LEHVOSS Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Thermal conductivity of melt	**1.1**	W/(m K)	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**17000**	MPa	ISO 527
Tensile Strength	**180**	MPa	ISO 527
Flexural modulus, 23°C	**16000**	MPa	ISO 178

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**260**	°C	ISO 75-1/-2
Vicat softening temperature, A	**255**	°C	ISO 306
Coeff. of linear therm. expansion, parallel	**14**	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10

Electrical properties	Value	Unit	Test Standard
ISO Data			
Surface resistivity	**10000**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	**1410**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**100 - 140**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**330**	°C	-
Mold temperature	**150 - 180**	°C	-
Zone 1	**300 - 320**	°C	-
Zone 2	**310 - 330**	°C	-
Zone 3	**320 - 340**	°C	-
Nozzle temperature	**320 - 340**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Increased electrical conductivity, Flame retardant, Heat stabilized or stable to heat

Features
Creep Resistance

Applications
Automotive, IT / Business Machine, Electrical and Electronical, Medical

Regional Availability
North America, Europe, Asia Pacific