LUVOCOM® 1/CF/10/TF/20/BK

Polyamide 66

Lehmann & Voss & Co.

Message:

LUVOCOM® 1/CF/10/TF/20/BK is a polyamide 66 (nylon 66) material, which contains a 10% carbon fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

LUVOCOM®The main features of 1/CF/10/TF/20/BK are:

Conductivity

Electrostatic protection

Wear-resistant

heat stabilizer

Lubrication

Typical application areas include:

engineering/industrial accessories

textile/fiber

Automotive Industry

business/office supplies

General Information				
Filler / Reinforcement	Carbon fiber reinforced material, 10% filler by weight			
Additive	PTFE lubricant (20%)			
	heat stabilizer			
Features	Conductivity			
	Low friction coefficient			
	Electrostatic discharge protection			
	Good wear resistance			
	Thermal Stability			
	Lubrication			
Uses	Gear			
	Textile applications			
	Engineering accessories			
	Application in Automobile Field			
	Business equipment			
	Cam			
Appearance	Black			
Physical	Nominal Value	Unit	Test Method	
Density	1.32	g/cm³	ISO 1183	
Molding Shrinkage	0.20 - 0.60	%	DIN 16901	
Water Absorption (23°C, 24 hr)	< 1.0	%		
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus	10000	MPa	ISO 527-2	

B 1	% MPa MPa % %	ISO 527-2 ISO 527-2 ISO 178 ISO 178
3 1	MPa MPa %	ISO 178 ISO 178
3	MPa %	ISO 178
3	% °C	ISO 178
)	°C	
)	°C	
	°C	
	°C	
	ohms	
minal Value		IEC 60167
	Unit	Test Method
		ISO 179/1eA
	kJ/m²	ISO 179/1eA
	kJ/m²	ISO 179/1eA
		ISO 179/1fU
	kJ/m²	ISO 179/1fU
	kJ/m²	ISO 179/1fU
minal Value	Unit	Test Method
;	°C	ISO 75-2/A
)	°C	UL 746B
)	°C	ISO 306/A
E-5	cm/cm/°C	DIN 53752
3	W/m/K	DIN 52612
minal Value	Unit	Test Method
.0E+4	ohms	IEC 60093
minal Value	Unit	
)	°C	
	°C	
- 16	hr	
- 6.0	hr	
)	%	
) - 310	°C	
) - 310	°C	
) - 310	°C	
) - 300	°C	
)	°C	
0 - 120	°C	
	minal Value E-5 B minal Value .0E+4 minal Value - 16 - 6.0 0 - 310 - 310 - 310 - 300	kJ/m² kJ/m² kJ/m² minal Value Unit

General

In general LUVOCOM® can be processed on conventional injection moulding machines while observing the usual technical guidelines.

Any added fibrous materials or fillers may have an abrasive effect. In this case the cylinder and screw should be protected against wear as is usual in the processing of reinforced thermoplastic materials.

Lengthy dwell times for the melts in the cylinder should be avoided.

Lower the temperatures during interruptions!

Predrying (optional)

It is advisable to predry the granulate with a suitable dryer immediately before processing.

The granulate may absorb moisture from the air.

Delivery Form & Storage

Unless indicated otherwise, the material is delivered as 3mm-long pellets in sealed bags on pallets.

Preferably storage should be effected in dry and normally temperatured rooms

Additional Information

During processing the moisture level should not exceed 0.1%, otherwise molecular degradation and surface defects (e.g. smearing) may occur. Due to rapid absorption of water, originally sealed containers should only be opened immediately prior to processing. Excessively high predrying temperatures may cause discoloration.

The processing notes provided merely represent a recommendation for general use. Due to the large variety of machines, geometries and volumes of parts, etc., it may be necessary to employ different settings according to the specific application.

Please contact us for further information.

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