LUVOCOM® 3-9064

Polyamide 6

LEHVOSS Group

Message:

LUVOCOM®3-9064 is a polyamide 6 (nylon 6) material, and the filler is glass 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 3-9064 are:
Antistatic
anti-warping
Good stiffness
Typical application areas include:
engineering/industrial accessories
textile/fiber
Automotive Industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Antistatic property		
Features	Low warpage Rigid, good Antistatic property Good liquidity Good strength		
Uses	Thin wall parts Textile applications Engineering accessories Application in Automobile Field		
Appearance	Black		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.55	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.30 - 0.60	%	DIN 16901
Water Absorption (23°C, 24 hr)	< 1.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	9000	MPa	ISO 527-2
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Yield)	2.5	%	ISO 527-2
Flexural Modulus	7500	MPa	ISO 178
Flexural Stress	195	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	90.0	°C	UL 746B
Maximum operating temperature-Short Term	130	°C	
Insulation Resistance	1.0E+6 - 1.0E+9	ohms	IEC 60167
Injection	**Nominal Value**	**Unit**	
Drying Temperature			
Hot air dryer, A	75	°C	
Hot air dryer, B	105	°C	
Drying Time			
Hot air dryer, A	10 - 16	hr	
Hot air dryer, B	4.0 - 6.0	hr	
Rear Temperature	250 - 270	°C	
Middle Temperature	270 - 290	°C	
Front Temperature	280 - 300	°C	
Nozzle Temperature	270 - 280	°C	
Processing (Melt) Temp	270	°C	
Mold Temperature	70 - 110	°C	

Injection instructions

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. As the material absorbs water rapidly, originally sealed containers should only be opened immediately before 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.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China