

LUVOCOM® 100-7126 VP

Polyurethane

Lehmann & Voss & Co.

Message:

LUVOCOM® 100-7126 VP is a thermoplastic polyurethane elastomer material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

LUVOCOM® The main features of 100-7126 VP are:

Wear-resistant

Lubrication

Typical application areas include:

engineering/industrial accessories

Handle

General Information			
Additive	PTFE lubricant		
Features	Low friction coefficient		
	Good wear resistance		
	Lubrication		
Uses	Handle		
	Roller		
	Bearing		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	12	g/10 min	ISO 1133
Molding Shrinkage	1.5 - 2.0	%	DIN 16901
Water Absorption (23°C, 24 hr)	< 0.40	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	24.0	MPa	ISO 527-2
Tensile Strain (Yield)	750	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	90.0	°C	UL 746B
Maximum operating temperature-Short Term	120	°C	
Insulation Resistance	> 1.0E+12	ohms	IEC 60167
Vicat Softening Temperature	115	°C	ISO 306/A

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant, B	100 - 110	°C	
Hot air dryer, A	60.0 - 90.0	°C	
Drying Time			
Dehumidification desiccant, B	2.0 - 3.0	hr	
Hot air dryer, A	2.0 - 3.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	190 - 230	°C	
Middle Temperature	190 - 230	°C	
Front Temperature	190 - 230	°C	
Nozzle Temperature	200 - 240	°C	
Processing (Melt) Temp	225	°C	
Mold Temperature	25.0 - 60.0	°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 0.01%, otherwise molecular degradation may occur. As the material absorbs water very rapidly, originally sealed containers should only be opened immediately before processing.

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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