LUVOCOM® 94-8839

Low Density Polyethylene

Lehmann & Voss & Co.

Message:

LUVOCOM®94-8839 is a low density polyethylene material, which contains a steel filler. This product is available in Europe.
LUVOCOM®The main features of 94-8839 are:
Conductivity
Electrostatic protection
Typical application areas include:
engineering/industrial accessories
textile/fiber
Automotive Industry
business/office supplies

General Information			
Filler / Reinforcement	Steel filler		
Features	Conductivity Electrostatic discharge protection		
Uses	Thin wall parts Textile applications Engineering accessories Application in Automobile Field Business equipment		
Appearance	Natural color		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.20	g/cm³	ISO 1183
Molding Shrinkage	1.0 - 1.6	%	DIN 16901
Water Absorption (23°C, 24 hr)	< 0.10	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	48		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	400	MPa	ISO 527-2
Tensile Stress (Break)	10.0	MPa	ISO 527-2
Tensile Strain (Yield)	20	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	80	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	70.0	°C	UL 746B
Maximum operating temperature-Short Term	110	°C	
Insulation Resistance	1.0	ohms	IEC 60167

Vicat Softening Temperature	80.0	°C	ISO 306/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 3.2	ohms	IEC 60093
Injection	**Nominal Value**	**Unit**	
Drying Temperature	85.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	160 - 200	°C	
Middle Temperature	170 - 220	°C	
Front Temperature	180 - 240	°C	
Nozzle Temperature	190 - 250	°C	
Processing (Melt) Temp	230	°C	
Mold Temperature	30.0 - 80.0	°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
If originally sealed containers are used, it is normally possible to omit the predrying stage. If PTFE materials are not predried, an increase in deposits inside the mould may occur.
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

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