LUVOCOM® 1850-8322

Polybutylene Terephthalate

Lehmann & Voss & Co.

Message:

LUVOCOM® 1850-8322 is a polybutene terephthalate (PBT) material, and the filler is 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 1850-8322 are:

Conductivity

Electrostatic protection

anti-warping

Good stiffness

Typical application areas include:

Electrical/electronic applications

House

textile/fiber

engineering/industrial accessories

Automotive Industry

General Information

Features Conductivity Low warpage Rigid, good Electrostatic discharge protection Antistatic property Good strength Uses Electrical/Electronic Applications Textile applications Engineering accessories Application in Automobile Field Business equipment Shell Appearance Black Physical Nominal Value Unit Test Method Density 1.35 g/cm³ ISO 1183 Molding Shrinkage 0.70 - 1.2 % DIN 16901 Water Absorption (23°C, 24 hr) < 0.10 % Mechanical Nominal Value Unit Test Method Test Method Test Method Unit Test Method Density Test Method Mechanical Nominal Value Unit Test Method Test Method Test Method Mechanical Nominal Value Unit Test Method Test Method					
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	Tensile Stress (Break)	75.0	МРа	ISO 527-2	
Flexural Modulus 5000 MPa ISO 178	Tensile Strain (Yield)	2.7	%	ISO 527-2	
	Flexural Modulus	5000	MPa	ISO 178	

180	% °C	ISO 178
180	°C	
	3	
	ohms	IEC 60167
Nominal Value	Unit	Test Method
20	kJ/m²	ISO 179/1eU
Nominal Value	Unit	Test Method
120	°C	UL 746B
Nominal Value	Unit	Test Method
< 1.0E+10	ohms	IEC 60093
Nominal Value	Unit	
120	°C	
80.0	°C	
4.0 - 6.0	hr	
6.0 - 8.0	hr	
0.020	%	
240 - 260	°C	
260 - 280	°C	
250 - 270	°C	
250 - 265	°C	
250	°C	
60.0 - 120	°C	
	20 Nominal Value 120 Nominal Value < 1.0E+10 Nominal Value 120 80.0 4.0 - 6.0 6.0 - 8.0 0.020 240 - 260 250 - 270 250 - 265 250	Nominal Value

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 0.02%, otherwise molecular degradation and surface defects (e.g. smearing) may occur. As the material absorbs water very quickly, the predried material should be fed to the processing immediately. Processing temperatures above 270°C may very rapidly cause thermal damage and should therefore be avoided.

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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