

# LUVOCOM® 1200-8835

Acrylonitrile Butadiene Styrene

Lehmann & Voss & Co.

Message:

LUVOCOM® 1200-8835 is an acrylonitrile butadiene styrene (ABS) material. This product is available in Europe.

LUVOCOM®The main features of 1200-8835 are:

- Antistatic
- chemical resistance
- Hydrolytic stability
- Typical application areas include:
  - engineering/industrial accessories
  - Tools
  - food contact applications

General Information			
Additive	Antistatic property		
Features	Antistatic property		
	Good chemical resistance		
	Hydrolysis stability		
Uses	Non-specific food applications		
	Engineering accessories		
	Machine/mechanical parts		
	Mold/Mold/Tool		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	2.65	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.20 - 0.30	%	DIN 16901
Water Absorption (23°C, 24 hr)	< 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2
Tensile Stress (Break)	16.0	MPa	ISO 527-2
Tensile Strain (Yield)	1.1	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	60.0	°C	UL 746B
Maximum operating temperature-Short Term	80	°C	
Insulation Resistance		ohms	IEC 60167
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	70.0 - 95.0	°C	

Drying Time - Desiccant Dryer	2.0 - 4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	220 - 250	°C
Middle Temperature	220 - 250	°C
Front Temperature	230 - 260	°C
Nozzle Temperature	220 - 250	°C
Processing (Melt) Temp	230 - 260	°C
Mold Temperature	40.0 - 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

During processing, the moisture content should not exceed 0.1%. Moisture may lead to smearing and in extreme cases to foaming. Usually the material can be processed over a broad temperature range and can thus be adapted to a wide variety of processing conditions. Temperatures >270°C may lead to thermal damage.

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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#### Recommended distributors for this material

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