

LUVOCOM® 1301-9017

Polyphenylene Sulfide
Lehmann & Voss & Co.

Message:

LUVOCOM® 1301-9017 is a linear polyphenylene sulfide material, and the filler is glass fiber reinforced material. This product is available in Europe.
LUVOCOM®The main features of 1301-9017 are:
Conductivity
Electrostatic protection
anti-warping
Good stiffness
Typical application areas include:
Electrical/electronic applications
Reflector
textile/fiber
engineering/industrial accessories
Automotive Industry

| General Information | | | |
|--------------------------------|------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material | | |
| Features | Conductivity | | |
| | Low warpage | | |
| | Rigid, good | | |
| | Electrostatic discharge protection | | |
| | Good strength | | |
| Uses | Reflector | | |
| | Textile applications | | |
| | Engineering accessories | | |
| | Switch | | |
| | Application in Automobile Field | | |
| | Business equipment | | |
| | spool | | |
| | Medical/nursing supplies | | |
| Appearance | Natural color | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 3.00 | g/cm ³ | ISO 1183 |
| Molding Shrinkage | 0.20 - 0.50 | % | DIN 16901 |
| Water Absorption (23°C, 24 hr) | < 0.050 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 14500 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 100 | MPa | ISO 527-2 |
| Tensile Strain (Yield) | 1.0 | % | ISO 527-2 |
| Flexural Modulus | 12000 | MPa | ISO 178 |

| | | | |
|--|---------------|-------------------|-------------|
| Flexural Stress | 140 | MPa | ISO 178 |
| Flexural Strain at Flexural Strength | 1.3 | % | ISO 178 |
| Maximum operating temperature-Short Term | 240 | °C | |
| Insulation Resistance | | ohms | IEC 60167 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Unnotched Impact Strength (23°C) | 10 | kJ/m ² | ISO 179/1eU |
| Thermal | Nominal Value | Unit | Test Method |
| Continuous Use Temperature | 220 | °C | UL 746B |
| Vicat Softening Temperature | 215 | °C | ISO 306/A |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | < 1.0E+2 | ohms | IEC 60093 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | | | |
| B | 50.0 - 90.0 | °C | |
| Hot air dryer, A | 100 - 140 | °C | |
| Drying Time | | | |
| B | > 4.0 | hr | |
| Hot air dryer, A | 2.0 - 4.0 | hr | |
| Rear Temperature | 300 - 320 | °C | |
| Middle Temperature | 310 - 330 | °C | |
| Front Temperature | 320 - 340 | °C | |
| Nozzle Temperature | 320 - 340 | °C | |
| Processing (Melt) Temp | 330 | °C | |
| Mold Temperature | 150 - 180 | °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

The material does not necessarily have to be predried; when originally sealed containers are used, this process may normally be omitted. Processing temperatures above 360°C may very rapidly cause thermal damage and should therefore be avoided.

Post-crystallization may lead to warpage at elevated operating temperatures. This can be counteracted by suitable heat treatment.

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.

High-temperature polymers place increased demands on the tool steels employed.

Please contact us for further information.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT