

Lehmann & Voss LUVOCOM® 1301-8291 PPS, linear, with aramid reinforcement

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Aramid Fiber Filled

Material Notes:

Applications: Automotive industry, textile-and office machinery, medical- and precision engineering.Improved friction and wear behaviour.
Emergency running property.Low warpage.dynamic stressInformation provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8291-PPS-linear-with-aramid-reinforcement.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23°C/24h
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	80.0 MPa	11600 psi	
Elongation at Yield	2.0 %	2.0 %	
	2.6 %	2.6 %	flexural
Modulus of Elasticity	6.00 GPa	870 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	1.20 J/cm ²	5.71 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	
	240 °C	464 °F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	330 °C	626 °F	mass temp

Processing Properties	Metric	English	Comments
Zone 1	300 - 320 °C	572 - 608 °F	
Zone 2	310 - 330 °C	590 - 626 °F	
Zone 3	320 - 340 °C	608 - 644 °F	
Mold Temperature	150 - 180 °C	302 - 356 °F	
Drying Temperature	50.0 - 90.0 °C	122 - 194 °F	
	@Time >= 14400 sec	@Time >= 4.00 hour	
	100 - 140 °C	212 - 284 °F	Dehumidifying dryer
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Color	black	

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