

Lehmann & Voss LUVOCOM® 1301-8305 PPS, linear, with glass fiber, lubricant modified

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 10% Glass Fiber Filler

Material Notes:

Applications: Automotive industry, textile-and office machinery, medical- and precision engineering.Strong, stiff parts.Improved friction and wear behaviour. Emergency running property.Inherent flame resistance.Gear parts for automotive appliances, control disks, cams, sliding elements.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8305-PPS-linear-with-glass-fiber-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.96 g/cc	1.96 g/cc	ISO 1183
Water Absorption	<= 0.050 %	<= 0.050 %	23°C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	115 MPa	16700 psi	
Elongation at Yield	0.80 %	0.80 %	
	1.1 %	1.1 %	flexural
Modulus of Elasticity	17.0 GPa	2470 ksi	
Flexural Strength	160 MPa	23200 psi	
Flexural Modulus	14.0 GPa	2030 ksi	
Charpy Impact Unnotched	1.50 J/cm ²	7.14 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+10 ohm	>= 1.00e+10 ohm	
Insulation Resistance	>= 1.00e+10 ohm	>= 1.00e+10 ohm	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Nozzle Temperature	320 - 340 °C	608 - 644 °F	
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 @Time >=14400 sec	122 - 194 °F @Time >=4.00 hour	
	100 - 140 °C @Time 7200 - 14400 sec	212 - 284 °F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (black)	

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