

Lehmann & Voss LUVOCOM® 1301-8457 PPS, linear, with carbon fiber, lubricant modified

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

Material Notes:

Applications: Automotive industry, textile-and office machinery, medical- and precision engineering.High continuous use and heat distortion temperature. Non flammable.Strong, stiff parts.Suitable for metall inserts.Improved friction and wear behaviour. Emergency running property.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8457-PPS-linear-with-carbon-fiber-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.57 g/cc	1.57 g/cc	ISO 1183
Water Absorption	<= 0.050 %	<= 0.050 %	23Â°C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	130 MPa	18900 psi	
Elongation at Yield	1.0 %	1.0 %	
	1.35 %	1.35 %	flexural
Modulus of Elasticity	17.0 GPa	2470 ksi	
Flexural Strength	190 MPa	27600 psi	
Flexural Modulus	14.0 GPa	2030 ksi	
Charpy Impact Unnotched	2.40 J/cmÂ²	11.4 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 Â°C	428 Â°F	
	240 Â°C	464 Â°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	

Electrical Properties	Metric	English	Comments
Insulation Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	

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

Descriptive Properties	Value	Comments
Color	dark grey	

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