

Lehmann & Voss LUVOCOM[®] 1301-8367 PPS, linear, with CNT

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-strength and stiff parts with low creep.High continuous use and heat distortion temperature. Non flammable.High chemical resistance parts.Electrically conductive, suitable for continuous discharging of statically generated electricity.Bearings, sleeves, sliding elements, handles, machine parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8367-PPS-linear-with-CNT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Å°C/24h
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	155 MPa	22500 psi	
Elongation at Yield	1.2 %	1.2 %	
	1.4 %	1.4 %	flexural
Modulus of Elasticity	19.0 GPa	2760 ksi	
Flexural Strength	215 MPa	31200 psi	
Flexural Modulus	16.0 GPa	2320 ksi	
Charpy Impact Unnotched	2.50 J/cm ²	11.9 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 Å°C	392 Å°F	
	220 Å°C	428 Å°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	265 Å°C	509 Å°F	
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
Insulation Resistance	1.00e+6 - 1.00e+8 ohm	1.00e+6 - 1.00e+8 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 @Time >= 14400 sec	122 - 194 Â°F @Time >= 4.00 hour	
	100 - 140 Â°C @Time 7200 - 14400 sec	212 - 284 Â°F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

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