

Lehmann & Voss LUVOCOM[®] 1301-7575 PPS, linear, with glass fiber

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.High continuous use and heat distortion temperature. Non flammable.High chemical resistance parts.High dimensionally stable precision parts with low warpage and narrow tolerance range.Control disks, cams, sliding elements and other duty parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-7575-PPS-linear-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	0.80 %	0.80 %	
	1.0 %	1.0 %	flexural
Modulus of Elasticity	16.0 GPa	2320 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	14.0 GPa	2030 ksi	
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179 1eA

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	
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
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Insulation Resistance Electrical Properties	$\geq 1.00e+12$ ohm Metric	$\geq 1.00e+12$ ohm English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	330 Å°C	626 Å°F	mass temp
Nozzle Temperature	320 - 340 Å°C	608 - 644 Å°F	
Zone 1	300 - 320 Å°C	572 - 608 Å°F	
Zone 2	310 - 330 Å°C	590 - 626 Å°F	
Zone 3	320 - 340 Å°C	608 - 644 Å°F	
Mold Temperature	150 - 180 Å°C	302 - 356 Å°F	
Drying Temperature	50.0 - 90.0 Å°C @Time \geq 14400 sec	122 - 194 Å°F @Time \geq 4.00 hour	
	100 - 140 Å°C @Time 7200 - 14400 sec	212 - 284 Å°F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

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