

Lehmann & Voss LUVOCOM[®] 1301-8148 PPS, linear, with PTFE

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with PTFE Filler

Material Notes:

Applications: Automotive industry, textile-and office machinery, medical- and precision engineering.Improved friction and wear behaviour. Emergency running property.Low warpage, isotropic shrinkage characteristics.High dimensionally stable precision parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8148-PPS-linear-with-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.011 - 0.016 cm/cm	0.011 - 0.016 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	55.0 MPa	7980 psi	
Elongation at Yield	4.5 %	4.5 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	2.50 GPa	363 ksi	
Flexural Strength	85.0 MPa	12300 psi	
Flexural Modulus	2.00 GPa	290 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	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

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 Â°C	626 Â°F	mass temp

Processing Properties	Metric	English	Comments
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	Dehumidifying dryer
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (beige)	

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