

Lehmann & Voss LUVOCOM[®] 1301-8095 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.High continuous use and heat distortion temperature. Non flammable.Strong, stiff parts.High chemical resistance parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8095-PPS-linear-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Water Absorption	<= 0.050 %	<= 0.050 %	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	115 MPa	16700 psi	
Elongation at Yield	2.0 %	2.0 %	
	2.5 %	2.5 %	flexural
Modulus of Elasticity	6.50 GPa	943 ksi	
Flexural Strength	170 MPa	24700 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	1.00 J/cm ²	4.76 ft-lb/in ²	flatwise; ISO 179 1fU

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+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments

Processing Temperature Processing Properties	330 Â°C Metric	626 Â°F English	mass temp Comments
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	natural color (beige)	

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