

Lehmann & Voss LUVOCOM[®] 1700-8126 PPO, with glass spheres and PTFE

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, PTFE Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. High dimensionally stable precision parts, even at elevated temperatures and narrow tolerance range. Isotropic shrinkage characteristics. 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-1700-8126-PPO-with-glass-spheres-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	58.0 MPa	8410 psi	
Elongation at Yield	3.2 %	3.2 %	
	4.2 %	4.2 %	flexural
Modulus of Elasticity	3.50 GPa	508 ksi	
Flexural Strength	85.0 MPa	12300 psi	
Flexural Modulus	2.90 GPa	421 ksi	
Charpy Impact Unnotched	2.20 J/cm ^Â 2	10.5 ft-lb/in ^Â 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.300 J/cm ^Â 2	1.43 ft-lb/in ^Â 2	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Â°C	230 Â°F	
	130 Â°C	266 Â°F	short term
Flammability, UL94	HB	HB	

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	280 Â°C	536 Â°F	mass temp
Nozzle Temperature	285 - 295 Â°C	545 - 563 Â°F	
Zone 1	270 - 280 Â°C	518 - 536 Â°F	
Zone 2	270 - 300 Â°C	518 - 572 Â°F	
Zone 3	290 - 305 Â°C	554 - 581 Â°F	
Mold Temperature	70.0 - 120 Â°C	158 - 248 Â°F	
Drying Temperature	95.0 - 110 Â°C @Time <=7200 sec	203 - 230 Â°F @Time <=2.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

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