

Lehmann & Voss LUVOCOM® 1700-7903 PPO, with glass fiber, lubricant modified

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 10% Glass 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.Especially suitable for thin wall complex parts.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-1700-7903-PPO-with-glass-fiber-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23°C/24h
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	
Melt Flow	22.32 g/10 min @Load 5.00 kg, Temperature 300 °C	22.32 g/10 min @Load 11.0 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	80.0 MPa	11600 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.2 %	3.2 %	flexural
Modulus of Elasticity	4.50 GPa	653 ksi	
Flexural Strength	105 MPa	15200 psi	
Flexural Modulus	4.00 GPa	580 ksi	
Charpy Impact Unnotched	2.50 J/cm²	11.9 ft-lb/in²	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	
	130 °C	266 °F	short term
Flammability, UL94	HB	HB	not recognized by UL

Electrical Properties	Metric	English	Comments
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Insulation Resistance Electrical Properties	$\geq 1.00\text{e}+12\text{ ohm}$ Metric	$\geq 1.00\text{e}+12\text{ ohm}$ English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	280 °C	536 °F	mass temp
Nozzle Temperature	285 - 295 °C	545 - 563 °F	
Zone 1	270 - 280 °C	518 - 536 °F	
Zone 2	270 - 300 °C	518 - 572 °F	
Zone 3	290 - 305 °C	554 - 581 °F	
Mold Temperature	70.0 - 120 °C	158 - 248 °F	
Drying Temperature	95.0 - 110 °C @Time <=7200 sec	203 - 230 °F @Time <=2.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (white)	

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