

## Lehmann & Voss LUVOCOM® 1700-8019 PPO, with glass fiber and PTFE, low-warpage

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 10% Glass Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts; low thermal coefficient of expansion. Improved friction and wear behaviour. Emergency running property. 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-1700-8019-PPO-with-glass-fiber-and-PTFE-low-warpage.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1700-8019-PPO-with-glass-fiber-and-PTFE-low-warpage.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ISO 1183
Water Absorption	<= 0.060 %	<= 0.060 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	95.0 MPa	13800 psi	
Elongation at Yield	1.8 %	1.8 %	
	2.5 %	2.5 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	135 MPa	19600 psi	
Flexural Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Â°C	230 Â°F	

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
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Processing Temperature Processing Properties	280 Â°C Metric	536 Â°F English	mass temp Comments
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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