

## Lehmann & Voss LUVOCOM<sup>®</sup> 1301-7508 PPS, linear, with glass spheres

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.Strong, stiff parts.High continuous use and heat distortion temperature. Non flammable.High chemical resistance parts.Low warpage, isotropic shrinkage characteristics.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-1301-7508-PPS-linear-with-glass-spheres.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-7508-PPS-linear-with-glass-spheres.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.88 g/cc	1.88 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.0060 - 0.013 cm/cm	0.0060 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	55.0 MPa	7980 psi	
Elongation at Yield	0.60 %	0.60 %	
	0.80 %	0.80 %	flexural
Modulus of Elasticity	12.0 GPa	1740 ksi	
Flexural Strength	85.0 MPa	12300 psi	
Flexural Modulus	10.0 GPa	1450 ksi	
Charpy Impact Unnotched	1.00 J/cm <sup>Â</sup> 2	4.76 ft-lb/in <sup>Â</sup> 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
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
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
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	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	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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