

## Lehmann & Voss LUVOCOM<sup>®</sup> 1301-8456 PPS, linear, with glass fiber, PTFE, lubricant modified

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.High-strength and stiff parts with low creep.Improved friction and wear behaviour. Emergency running property.High chemical resistance parts.Control disks, gear wheels, pump impellers, gear parts for automotive appliances, chip carrier.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1301-8456-PPS-linear-with-glass-fiber-PTFE-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8456-PPS-linear-with-glass-fiber-PTFE-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.68 g/cc	1.68 g/cc	ISO 1183
Water Absorption	<= 0.050 %	<= 0.050 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	130 MPa	18900 psi	
Elongation at Yield	1.7 %	1.7 %	
	2.2 %	2.2 %	flexural
Modulus of Elasticity	13.0 GPa	1890 ksi	
Flexural Strength	200 MPa	29000 psi	
Flexural Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.15	0.15	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 <sup>°</sup> C	428 <sup>°</sup> F	
	240 <sup>°</sup> C	464 <sup>°</sup> F	short term
Deflection Temperature at 1.8 MPa (264 psi)	250 <sup>°</sup> C	482 <sup>°</sup> F	
Vicat Softening Point	240 <sup>°</sup> C	464 <sup>°</sup> F	DIN ISO 306

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China