

## Lehmann & Voss LUVOCOM<sup>®</sup> 1301-0915 PPS, linear, with carbon fiber, PTFE, lubricant modified

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 10% Carbon 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.Electrically conductive, suitable for continuous discharging of statically generated electricity.Suitable for metall inserts.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-1301-0915-PPS-linear-with-carbon-fiber-PTFE-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-0915-PPS-linear-with-carbon-fiber-PTFE-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ISO 1183
Water Absorption	<= 0.050 %	<= 0.050 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	125 MPa	18100 psi	
Elongation at Yield	1.2 %	1.2 %	
	1.5 %	1.5 %	flexural
Modulus of Elasticity	13.0 GPa	1890 ksi	
Flexural Strength	175 MPa	25400 psi	
Flexural Modulus	10.0 GPa	1450 ksi	
Charpy Impact Unnotched	1.90 J/cm <sup>2</sup>	9.04 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.14	0.14	

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu$ m/m- <sup>°</sup> C	16.7 $\mu$ in/in- <sup>°</sup> F	DIN 53752
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)	220 <sup>°</sup> C	428 <sup>°</sup> F	

Thermal Properties	Metric	English	Comments
Surface Resistance	<= 1000 ohm	<= 1000 ohm	
Insulation Resistance	<= 100000 ohm	<= 100000 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	natural 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