

## Lehmann & Voss LUVOCOM® 1301-8144 PPS, linear, with mineral filler

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

### Material Notes:

Applications: Automotive industry, textile-and office machinery, medical- and precision engineering.Low waterabsorbtion.High continuous use and heat distortion temperature. Non flammable.High chemical resistance parts.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-1301-8144-PPS-linear-with-mineral-filler.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1301-8144-PPS-linear-with-mineral-filler.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23°C/24h
Linear Mold Shrinkage	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	55.0 MPa	7980 psi	
Elongation at Yield	1.3 %	1.3 %	
	1.7 %	1.7 %	flexural
Modulus of Elasticity	4.50 GPa	653 ksi	
Flexural Strength	75.0 MPa	10900 psi	
Flexural Modulus	4.00 GPa	580 ksi	
Charpy Impact Unnotched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	
	240 °C	464 °F	short term
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °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 °C	626 °F	mass temp
Nozzle Temperature	320 - 340 °C	608 - 644 °F	
Zone 1	300 - 320 °C	572 - 608 °F	
Zone 2	310 - 330 °C	590 - 626 °F	
Zone 3	320 - 340 °C	608 - 644 °F	
Mold Temperature	150 - 180 °C	302 - 356 °F	
Drying Temperature	50.0 - 90.0 °C	122 - 194 °F	
	@Time >=14400 sec	@Time >=4.00 hour	
	100 - 140 °C	212 - 284 °F	Dehumidifying dryer
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (grey)	

## 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