

## Lehmann & Voss LUVOCOM® 1-8130 Polyamide 66, with carbon fiber, aramid reinforcement and PTFE, heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Carbon Fiber/PTFE Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved wear behaviour, low warpage. Emergency running property, for highest tribologic needs. Reduced moment of inertia compared with metal parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1-8130-Polyamide-66-with-carbon-fiber-aramid-reinforcement-and-PTFE-heat-stabilized.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1-8130-Polyamide-66-with-carbon-fiber-aramid-reinforcement-and-PTFE-heat-stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23°C/24h
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	130 MPa	18900 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.2 %	3.2 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	190 MPa	27600 psi	
Flexural Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	3.00 J/cm <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	
	150 °C	302 °F	short term
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	
Insulation Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	290 °C	554 °F	mass temp
Nozzle Temperature	280 - 300 °C	536 - 572 °F	
Zone 1	290 - 310 °C	554 - 590 °F	
Zone 2	290 - 310 °C	554 - 590 °F	
Zone 3	290 - 310 °C	554 - 590 °F	
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
Drying Temperature	75.0 °C @Time 21600 - 57600 sec	167 °F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 °C @Time 14400 - 21600 sec	221 °F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	dark grey	

## Contact Songhan Plastic Technology Co.,Ltd.

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