

## Lehmann & Voss LUVOCOM<sup>®</sup> 1-7532 Polyamide 66, with carbon fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. High-strength and high-stiff parts; low coefficient of expansion. Reduced moment of inertia compared with metal parts. Electrically conductive, suitable for continuous discharging of statically generated electricity. High dimensionally stable precision parts with low warpage and narrow tolerance range. Gear parts for automotive appliances, control disks, cams, sliding elements. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1-7532-Polyamide-66-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1-7532-Polyamide-66-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	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	225 MPa	32600 psi	
Elongation at Yield	2.2 %	2.2 %	
	2.7 %	2.7 %	flexural
Modulus of Elasticity	21.0 GPa	3050 ksi	
Flexural Strength	330 MPa	47900 psi	
Flexural Modulus	17.0 GPa	2470 ksi	
Charpy Impact Unnotched	4.50 J/cm <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU
Coefficient of Friction, Dynamic	0.25	0.25	
Coefficient of Friction, Static	0.17	0.17	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 <sup>°</sup> C	194 <sup>°</sup> F	
	150 <sup>°</sup> C	302 <sup>°</sup> F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1e+05	<= 1e+05	

Insulation Resistance Electrical Properties	1000 - 100000 ohm Metric	1000 - 100000 ohm English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	mass temp
Nozzle Temperature	280 - 300 Â°C	536 - 572 Â°F	
Zone 1	290 - 310 Â°C	554 - 590 Â°F	
Zone 2	290 - 310 Â°C	554 - 590 Â°F	
Zone 3	290 - 310 Â°C	554 - 590 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	75.0 Â°C @Time 21600 - 57600 sec	167 Â°F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 Â°C @Time 14400 - 21600 sec	221 Â°F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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