

## Lehmann & Voss LUVOCOM<sup>®</sup> 21-8015 Polyamide 6/6T, with carbon fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Reduced moment of inertia compared with metal parts. Electrically conductive, suitable for continuous discharging of statically generated electricity. 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-21-8015-Polyamide-66T-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-21-8015-Polyamide-66T-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ISO 1183
Water Absorption	<= 0.80 %	<= 0.80 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	210 MPa	30500 psi	
Elongation at Yield	1.0 %	1.0 %	
	1.5 %	1.5 %	flexural
Modulus of Elasticity	23.0 GPa	3340 ksi	
Flexural Strength	290 MPa	42100 psi	
Flexural Modulus	20.0 GPa	2900 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
CTE, linear	18.0 $\mu$ m/m- <sup>°</sup> C	10.0 $\mu$ in/in- <sup>°</sup> F	DIN 53752
Thermal Conductivity	0.380 W/m-K	2.64 BTU-in/hr-ft <sup>2</sup> - <sup>°</sup> F	DIN 52612
Maximum Service Temperature, Air	135 <sup>°</sup> C	275 <sup>°</sup> F	
	250 <sup>°</sup> C	482 <sup>°</sup> F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1e+05	<= 1e+05	
Insulation Resistance	<= 100000 ohm	<= 100000 ohm	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	330 Â°C	626 Â°F	mass temp
Nozzle Temperature	330 - 340 Â°C	626 - 644 Â°F	
Zone 1	300 - 340 Â°C	572 - 644 Â°F	
Zone 2	310 - 340 Â°C	590 - 644 Â°F	
Zone 3	320 - 340 Â°C	608 - 644 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	
	110 Â°C	230 Â°F	or
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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