

## Lehmann & Voss LUVOCOM<sup>®</sup> 21-7976 Polyamide 6/6T, with glass fiber and PTFE, 8-mm-granulate

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. High dimensionally stable precision parts with low warpage and narrow tolerance range. Bearings, sleeves, sliding elements, control disks, gear wheels, duty parts in switches. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-21-7976-Polyamide-66T-with-glass-fiber-and-PTFE-8-mm-granulate.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-21-7976-Polyamide-66T-with-glass-fiber-and-PTFE-8-mm-granulate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ISO 1183
Water Absorption	<= 0.80 %	<= 0.80 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	185 MPa	26800 psi	
Elongation at Yield	3.0 %	3.0 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	260 MPa	37700 psi	
Flexural Modulus	8.00 GPa	1160 ksi	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Â°C	275 Â°F	
	160 Â°C	320 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

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 (white)	

## Contact Songhan Plastic Technology Co.,Ltd.

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