

## Lehmann & Voss LUVOCOM<sup>®</sup> 19-8263 Polyamide 46, with carbon fiber and glass fiber, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 46

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Electrically conductive, suitable for continuous discharging of statically generated electricity. Strong, stiff parts. Highly dimensionally stable at elevated temperatures. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-19-8263-Polyamide-46-with-carbon-fiber-and-glass-fiber-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-19-8263-Polyamide-46-with-carbon-fiber-and-glass-fiber-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.69 g/cc	1.69 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	130 MPa	18900 psi	
Elongation at Yield	1.0 %	1.0 %	
	1.2 %	1.2 %	flexural
Modulus of Elasticity	19.0 GPa	2760 ksi	
Flexural Strength	185 MPa	26800 psi	
Flexural Modulus	16.0 GPa	2320 ksi	
Charpy Impact Unnotched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 Â°C	302 Â°F	
	180 Â°C	356 Â°F	short term

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	

Processing Properties	Metric	English	Comments
Processing Temperature	310 Â°C	590 Â°F	mass temp
Nozzle Temperature	280 - 330 Â°C	536 - 626 Â°F	
Zone 1	285 - 315 Â°C	545 - 599 Â°F	
Zone 2	305 - 315 Â°C	581 - 599 Â°F	
Zone 3	305 - 315 Â°C	581 - 599 Â°F	
Mold Temperature	120 - 140 Â°C	248 - 284 Â°F	
Drying Temperature	80.0 Â°C @Time 7200 - 43200 sec	176 Â°F @Time 2.00 - 12.0 hour	Vacuum Dryer
	80.0 Â°C @Time 7200 - 28800 sec	176 Â°F @Time 2.00 - 8.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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