

## Lehmann & Voss LUVOCOM® 20-8368 Polyphthalamide, with carbon fiber and PTFE

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), Carbon Fiber + PTFE Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Low influence from moisture and temperature to measures and electrical properties, compared with PA66 Antistatic. Improved friction and wear behaviour. Emergency running property. 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-20-8368-Polyphthalamide-with-carbon-fiber-and-PTFE.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-20-8368-Polyphthalamide-with-carbon-fiber-and-PTFE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23Â°C/24h
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	115 MPa	16700 psi	
Elongation at Yield	0.70 %	0.70 %	
	1.0 %	1.0 %	flexural
Modulus of Elasticity	19.0 GPa	2760 ksi	
Flexural Strength	155 MPa	22500 psi	
Flexural Modulus	16.0 GPa	2320 ksi	
Charpy Impact Unnotched	1.10 J/cmÂ²	5.23 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	165 Â°C	329 Â°F	
	195 Â°C	383 Â°F	short term

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+7 ohm	>= 1.00e+7 ohm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	330 Â°C Metric	626 Â°F English	mass temp Comments
Nozzle Temperature	320 - 330 Â°C	608 - 626 Â°F	
Zone 1	320 - 340 Â°C	608 - 644 Â°F	
Zone 2	320 - 345 Â°C	608 - 653 Â°F	
Zone 3	325 - 350 Â°C	617 - 662 Â°F	
Mold Temperature	135 - 160 Â°C	275 - 320 Â°F	
Drying Temperature	80.0 Â°C @Time 57600 sec	176 Â°F @Time 16.0 hour	Dehumidifying dryer
	105 Â°C @Time 14400 - 18000 sec	221 Â°F @Time 4.00 - 5.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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