

## Lehmann & Voss LUVOCOM<sup>®</sup> 6-8548 Polyamide 12, with glass fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 20% Glass Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Suitable for discharging of statically generated electricity. Dynamic stressed parts. Low water absorption. Handles, levers, rollers, body parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-6-8548-Polyamide-12-with-glass-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-6-8548-Polyamide-12-with-glass-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23°C/24h
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	65.0 MPa	9430 psi	
Elongation at Yield	2.7 %	2.7 %	
	3.6 %	3.6 %	flexural
Modulus of Elasticity	4.00 GPa	580 ksi	
Flexural Strength	96.0 MPa	13900 psi	
Flexural Modulus	3.50 GPa	508 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup>	16.7 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	
	140 °C	284 °F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	
Insulation Resistance	1.00e+9 - 1.00e+11 ohm	1.00e+9 - 1.00e+11 ohm	

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	250 Â°C Metric	482 Â°F English	mass temp Comments
Nozzle Temperature	250 - 260 Â°C	482 - 500 Â°F	
Zone 1	230 - 250 Â°C	446 - 482 Â°F	
Zone 2	240 - 260 Â°C	464 - 500 Â°F	
Zone 3	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	75.0 Â°C @Time 21600 - 36000 sec	167 Â°F @Time 6.00 - 10.0 hour	Dehumidifying dryer
	105 Â°C @Time <=14400 sec	221 Â°F @Time <=4.00 hour	or

Descriptive Properties	Value	Comments
Color	dust grey	

## Contact Songhan Plastic Technology Co.,Ltd.

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