

## Lehmann & Voss LUVOCOM<sup>®</sup> 6-8436 Polyamide 12, with PTFE, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, PTFE Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Dynamic stressed parts. Low water absorption. Isotropic shrinkage characteristics. Bearings, sleeves, control disks, gear wheels, cams. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-6-8436-Polyamide-12-with-PTFE-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-6-8436-Polyamide-12-with-PTFE-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	40.0 MPa	5800 psi	
Elongation at Yield	8.5 %	8.5 %	
	11 %	11 %	flexural
Modulus of Elasticity	1.50 GPa	218 ksi	
Flexural Strength	60.0 MPa	8700 psi	
Flexural Modulus	1.20 GPa	174 ksi	
Charpy Impact Unnotched	18.0 J/cm <sup>2</sup>	85.7 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Coefficient of Friction, Dynamic	0.10	0.10	
Coefficient of Friction, Static	0.080	0.080	

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

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

Insulation Resistance Electrical Properties	$\geq 1.00e+12$ ohm Metric	$\geq 1.00e+12$ ohm English	Comments
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Processing Properties	Metric	English	Comments
Processing Temperature	250 Â°C	482 Â°F	mass temp
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	167 Â°F	Dehumidifying dryer
	@Time 21600 - 36000 sec	@Time 6.00 - 10.0 hour	
	105 Â°C	221 Â°F	or
	@Time <=14400 sec	@Time <=4.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (white)	

## Contact Songhan Plastic Technology Co.,Ltd.

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