

## Lehmann & Voss LUVOCOM<sup>®</sup> 1-7139 Polyamide 66, with aramid reinforcement and PTFE, heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Aramid Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Emergency running property. Improved heat resistance. Control disks, cams, sliding elements and other duty parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1-7139-Polyamide-66-with-aramid-reinforcement-and-PTFE-heat-stabilized.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1-7139-Polyamide-66-with-aramid-reinforcement-and-PTFE-heat-stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0060 - 0.013 cm/cm	0.0060 - 0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	85.0 MPa	12300 psi	
Elongation at Yield	6.0 %	6.0 %	
	8.0 %	8.0 %	flexural
Modulus of Elasticity	4.00 GPa	580 ksi	
Flexural Strength	120 MPa	17400 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179 1eA
Coefficient of Friction, Dynamic	0.16	0.16	
Coefficient of Friction, Static	0.14	0.14	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Â°C	230 Â°F	
	160 Â°C	320 Â°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	245 Â°C	473 Â°F	

Heat Softening Point Thermal Properties	260 Â°C Metric	500 Â°F English	Per ISO 306 Comments
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Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+13 ohm	>= 1.00e+13 ohm	
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	mass temp
Nozzle Temperature	280 - 300 Â°C	536 - 572 Â°F	
Zone 1	290 - 310 Â°C	554 - 590 Â°F	
Zone 2	290 - 310 Â°C	554 - 590 Â°F	
Zone 3	290 - 310 Â°C	554 - 590 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	75.0 Â°C @Time 21600 - 57600 sec	167 Â°F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 Â°C @Time 14400 - 21600 sec	221 Â°F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	green beige	

## Contact Songhan Plastic Technology Co.,Ltd.

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