

## Lehmann & Voss LUVOCOM® 1-0865 Polyamide 66, with aramid reinforcement, 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. Low warpage. 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-1-0865-Polyamide-66-with-aramid-reinforcement-heat-stabilized.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1-0865-Polyamide-66-with-aramid-reinforcement-heat-stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23°C/24h
Linear Mold Shrinkage	0.0050 - 0.012 cm/cm	0.0050 - 0.012 in/in	
Melt Flow	32.4 g/10 min @Load 1.20 kg, Temperature 380 °C	32.4 g/10 min @Load 2.65 lb, Temperature 716 °F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	100 MPa	14500 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	4.30 GPa	624 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	3.50 GPa	508 ksi	
Charpy Impact Unnotched	4.50 J/cm <sup>2</sup>	21.4 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, Static	0.49	0.49	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
	160 °C	320 °F	short term
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	

Thermal Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	
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Processing Properties	Metric	English	Comments
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Processing Temperature	290 °C	554 °F	mass temp
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Nozzle Temperature	280 - 300 °C	536 - 572 °F	
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Zone 1	290 - 310 °C	554 - 590 °F	
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Zone 2	290 - 310 °C	554 - 590 °F	
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Zone 3	290 - 310 °C	554 - 590 °F	
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Mold Temperature	90.0 - 120 °C	194 - 248 °F	
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Drying Temperature	75.0 °C	167 °F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	

	105 °C	221 °F	Vacuum Dryer
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
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Color	natural color (yellow)	
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## Contact Songhan Plastic Technology Co.,Ltd.

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