

Lehmann & Voss LUVOCOM[®] 1-7360/EG Polyamide 66, with PTFE, lubricant modified, high viscosity, heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, PTFE Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. 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-1-7360EG-Polyamide-66-with-PTFE-lubricant-modified-high-viscosity-heat-stabilized.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	
Melt Flow	<= 12.8 g/10 min @Load 5.00 kg, Temperature 275 Â°C	<= 12.8 g/10 min @Load 11.0 lb, Temperature 527 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	11.0 J/cm ²	52.3 ft-lb/in ²	flatwise; ISO 179 1fU
	6.50 J/cm ² @Temperature -30.0 Â°C	30.9 ft-lb/in ² @Temperature -22.0 Â°F	ISO 179
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.12	0.12	

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Temperature, Air	140 Â°C	284 Â°F	short term
Vicat Softening Point	230 Â°C	446 Â°F	DIN ISO 306

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

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