

Lehmann & Voss LUVOCOM[®] 1-1120 Polyamide 66, with PTFE, lubricant modified, high viscosity

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. Isotropic shrinkage characteristics. 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-1-1120-Polyamide-66-with-PTFE-lubricant-modified-high-viscosity.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 275 Â°C	10 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	12.0 J/cmÂ²	57.1 ft-lb/inÂ²	flatwise; ISO 179 1fU
	7.00 J/cmÂ² @Temperature -30.0 Â°C	33.3 ft-lb/inÂ² @Temperature -22.0 Â°F	ISO 179
Coefficient of Friction, Dynamic	0.090	0.090	
Coefficient of Friction, Static	0.070	0.070	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

CTE linear Thermal Properties	60.0 Åum/m-Å°C Metric	33.3 Åuin/in-Å°F English	DIN 53752 Comments
Thermal Conductivity	0.230 W/m-K	1.60 BTU-in/hr-ftÅ²- Å°F	DIN 52612
Maximum Service Temperature, Air	110 Å°C	230 Å°F	
	160 Å°C	320 Å°F	short term
Vicat Softening Point	230 Å°C	446 Å°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 Å°C	554 Å°F	mass temp
Nozzle Temperature	280 - 300 Å°C	536 - 572 Å°F	
Zone 1	290 - 310 Å°C	554 - 590 Å°F	
Zone 2	290 - 310 Å°C	554 - 590 Å°F	
Zone 3	290 - 310 Å°C	554 - 590 Å°F	
Mold Temperature	90.0 - 120 Å°C	194 - 248 Å°F	
Drying Temperature	75.0 Å°C @Time 21600 - 57600 sec	167 Å°F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 Å°C @Time 14400 - 21600 sec	221 Å°F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	dark grey	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China