

Lehmann & Voss LUVOCOM[®] 1t-7503 Polyamide 6/6T, with PTFE, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6

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-1t-7503-Polyamide-66T-with-PTFE-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ISO 1183
Water Absorption	<= 0.80 %	<= 0.80 %	23Å°C/24h
Linear Mold Shrinkage	0.0050 - 0.010 cm/cm	0.0050 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	2.7 %	2.7 %	
	3.5 %	3.5 %	flexural
Modulus of Elasticity	4.50 GPa	653 ksi	
Flexural Strength	105 MPa	15200 psi	
Flexural Modulus	4.00 GPa	580 ksi	
Charpy Impact Unnotched	3.00 J/cmÅ²	14.3 ft-lb/inÅ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.230 W/m-K	1.60 BTU-in/hr-ftÅ²-Å°F	DIN 52612
Maximum Service Temperature, Air	130 Å°C	266 Å°F	
	190 Å°C	374 Å°F	short term

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	330 Â°C	626 Â°F	mass temp
Nozzle Temperature	330 - 340 Â°C	626 - 644 Â°F	
Zone 1	300 - 340 Â°C	572 - 644 Â°F	
Zone 2	310 - 340 Â°C	590 - 644 Â°F	
Zone 3	320 - 340 Â°C	608 - 644 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	
	110 Â°C	230 Â°F	or
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (black)	

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