

Lehmann & Voss LUVOCOM[®] 1-8379 Polyamide 66, with PTFE

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-1-8379-Polyamide-66-with-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23 [°] C/24h
Linear Mold Shrinkage	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	65.0 MPa	9430 psi	
Elongation at Yield	4.0 %	4.0 %	
	6.0 %	6.0 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	90.0 MPa	13100 psi	
Flexural Modulus	2.80 GPa	406 ksi	
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	edgewise; ISO 179 1eU
	3.20 J/cm ²	15.2 ft-lb/in ²	ISO 179
	@Temperature -30.0 [°] C	@Temperature -22.0 [°] F	
Coefficient of Friction, Dynamic	0.19	0.19	
Coefficient of Friction, Static	0.13	0.13	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 [°] C	212 [°] F	
	140 [°] C	284 [°] F	short term
Deflection Temperature at 1.8 MPa (264 psi)	80.0 [°] C	176 [°] F	

Thermal Properties	Metric	English	Comments
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	natural color (white)	

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