

Lehmann & Voss PLASLUBE NY-1/SI/2/NT Polyamide 66, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Emergency running property. Isotropic shrinkage characteristics. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-PLASLUBE-NY-1SI2NT-Polyamide-66-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23°C/24h
Linear Mold Shrinkage	0.015 - 0.020 cm/cm	0.015 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	80.0 MPa	11600 psi	
Elongation at Yield	10 %	10 %	
Modulus of Elasticity	3.20 GPa	464 ksi	
Charpy Impact Unnotched	10.0 J/cm ²	47.6 ft-lb/in ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	ISO 179 1eA
Coefficient of Friction, Dynamic	0.15	0.15	
Coefficient of Friction, Static	0.12	0.12	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	
	140 °C	284 °F	short term
Vicat Softening Point	250 °C	482 °F	DIN ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	290 °C	554 °F	mass temp
Nozzle Temperature	280 - 300 °C	536 - 572 °F	
Zone 1	290 - 310 °C	554 - 590 °F	
Zone 2	290 - 310 °C	554 - 590 °F	

Processing Properties	Metric ¹⁰ °C	English ¹⁰ °F	Comments
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
Drying Temperature	75.0 °C @Time 21600 - 57600 sec	167 °F @Time 6.00 - 16.0 hour	Dehumidifying dryer
	105 °C @Time 14400 - 21600 sec	221 °F @Time 4.00 - 6.00 hour	Vacuum Dryer

Descriptive Properties	Value	Comments
Color	natural color	

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