

Lehmann & Voss LUVOCOM[®] 19-7669 Polyamide 46, with glass fiber and PTFE

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, Lubricated + Glass Fiber Reinforced

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Highly dimensionally stable at elevated temperatures. Gear parts for automotive appliances, control disks, cams, sliding elements. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-19-7669-Polyamide-46-with-glass-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ISO 1183
Water Absorption	1.5 %	1.5 %	23Å°C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	165 MPa	23900 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.0 %	3.0 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	240 MPa	34800 psi	
Flexural Modulus	8.00 GPa	1160 ksi	
Charpy Impact Unnotched	5.50 J/cm ^Å 2	26.2 ft-lb/in ^Å 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	1.10 J/cm ^Å 2	5.23 ft-lb/in ^Å 2	ISO 179 1eA
Coefficient of Friction, Dynamic	0.31	0.31	
Coefficient of Friction, Static	0.23	0.23	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 Å°C	302 Å°F	
	240 Å°C	464 Å°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	285 Å°C	545 Å°F	

Vicat Softening Point Thermal Properties	290 Â°C Metric	554 Â°F English	DIN ISO 306 Comments
---	-------------------	--------------------	-------------------------

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

Processing Properties	Metric	English	Comments
Processing Temperature	310 Â°C	590 Â°F	mass temp
Nozzle Temperature	280 - 330 Â°C	536 - 626 Â°F	
Zone 1	285 - 315 Â°C	545 - 599 Â°F	
Zone 2	305 - 315 Â°C	581 - 599 Â°F	
Zone 3	305 - 315 Â°C	581 - 599 Â°F	
Mold Temperature	120 - 140 Â°C	248 - 284 Â°F	
Drying Temperature	80.0 Â°C @Time 7200 - 43200 sec	176 Â°F @Time 2.00 - 12.0 hour	Vacuum Dryer
	80.0 Â°C @Time 7200 - 28800 sec	176 Â°F @Time 2.00 - 8.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (beige)	

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