

Lehmann & Voss LUVOCOM® 1/GF/30/TF/15/HS/BK Polyamide 66, with glass fiber and PTFE, heat stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/PTFE Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Low warpage. Improved friction and wear behaviour. Emergency running property. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1GF30TF15HSBK-Polyamide-66-with-glass-fiber-and-PTFE-heat-stabilized.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	160 MPa	23200 psi	
Elongation at Yield	3.0 %	3.0 %	
	3.5 %	3.5 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	235 MPa	34100 psi	
Flexural Modulus	8.00 GPa	1160 ksi	
Coefficient of Friction, Dynamic	0.24	0.24	
Coefficient of Friction, Static	0.18	0.18	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
	160 Â°C	320 Â°F	short term
Vicat Softening Point	250 Â°C	482 Â°F	DIN ISO 306

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

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	167 Â°F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	
	105 Â°C	221 Â°F	Vacuum Dryer
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	black	

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