

Lehmann & Voss LUVOCOM® 3-8437 Polyamide 6, with glass fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 10% Glass Fiber Filled

Material Notes:

Applications: Automotive industry, textile machinery, apparatus- and precision engineering.High-strength and stiff parts with low creep.Emergency running property.Suitable for metall inserts.Control disks, cams, sliding elements and other duty parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-3-8437-Polyamide-6-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.67 g/cc	1.67 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	165 MPa	23900 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.4 %	3.4 %	flexural
Modulus of Elasticity	12.0 GPa	1740 ksi	
Flexural Strength	250 MPa	36300 psi	
Flexural Modulus	10.0 GPa	1450 ksi	
Charpy Impact Unnotched	4.50 J/cmÂ²	21.4 ft-lb/inÂ²	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
	140 Â°C	284 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	
Insulation Resistance	>= 1.00e+11 ohm	>= 1.00e+11 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	270 Â°C	518 Â°F	mass temp

Processing Properties	Metric	English	Comments
Zone 1	250 - 270 Â°C	482 - 518 Â°F	
Zone 2	270 - 290 Â°C	518 - 554 Â°F	
Zone 3	280 - 300 Â°C	536 - 572 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	75.0 Â°C	167 Â°F	Dehumidifying dryer
	@Time 36000 - 57600 sec	@Time 10.0 - 16.0 hour	
	105 Â°C	221 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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