

Lehmann & Voss LUVOCOM® 21-7979 Polyamide 6/6T, with glass fiber, 8-mm-granulate

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. High-strength and high-stiff parts; low coefficient of expansion. High dimensionally stable precision parts with low warpage and narrow tolerance range. 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-21-7979-Polyamide-66T-with-glass-fiber-8-mm-granulate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.59 g/cc	1.59 g/cc	ISO 1183
Water Absorption	<= 0.80 %	<= 0.80 %	23Â°C/24h
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	285 MPa	41300 psi	
Elongation at Yield	2.5 %	2.5 %	
	3.2 %	3.2 %	flexural
Modulus of Elasticity	15.0 GPa	2180 ksi	
Flexural Strength	410 MPa	59500 psi	
Flexural Modulus	13.0 GPa	1890 ksi	
Charpy Impact Unnotched	7.00 J/cmÂ²	33.3 ft-lb/inÂ²	flatwise; ISO 179 1fU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Â°C	275 Â°F	
	160 Â°C	320 Â°F	short term

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

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Nozzle Temperature	330 - 340 Â°C	626 - 644 Â°F	
Zone 1	300 - 340 Â°C	572 - 644 Â°F	
Zone 2	310 - 340 Â°C	590 - 644 Â°F	
Zone 3	320 - 340 Â°C	608 - 644 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	
	110 Â°C	230 Â°F	or
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (white)	

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