

Lehmann & Voss LUVOCOM® 6-8395 Polyamide 12, with carbon fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Carbon Fiber Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Especially suitable at dynamic stress situations. Electrically conductive, suitable for continuous discharging of statically generated electricity. Low waterabsorbtion, for dimensional stable precision parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-6-8395-Polyamide-12-with-carbon-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0010 - 0.0050 cm/cm	0.0010 - 0.0050 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	90.0 MPa	13100 psi	
Elongation at Yield	7.0 %	7.0 %	
	9.0 %	9.0 %	flexural
Modulus of Elasticity	7.00 GPa	1020 ksi	
Flexural Strength	140 MPa	20300 psi	
Flexural Modulus	6.00 GPa	870 ksi	
Charpy Impact Unnotched	6.00 J/cmÂ²	28.6 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
	140 Â°C	284 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1000 ohm	<= 1000 ohm	
Insulation Resistance	<= 100 ohm	<= 100 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	250 Â°C	482 Â°F	mass temp

Processing Properties	Metric	English	Comments
Zone 1	230 - 250 Â°C	446 - 482 Â°F	
Zone 2	240 - 260 Â°C	464 - 500 Â°F	
Zone 3	250 - 270 Â°C	482 - 518 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 21600 - 36000 sec	@Time 6.00 - 10.0 hour	
	105 Â°C	221 Â°F	or
	@Time <=14400 sec	@Time <=4.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (black)	

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