

Lehmann & Voss LUVOCOM® 3-8269 Polyamide 6, with basalt fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Mineral Reinforced, Impact Grade

Material Notes:

Applications: Automotive industry, textile machinery, apparatus- and precision engineering.Strong, stiff parts; impact resistance.dynamic stressReduced moment of inertia compared with metal parts.Bearings, sleeves, control disks, gear wheels, cams.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-3-8269-Polyamide-6-with-basalt-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 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	140 MPa	20300 psi	
Elongation at Yield	2.8 %	2.8 %	
	3.6 %	3.6 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	205 MPa	29700 psi	
Flexural Modulus	9.00 GPa	1310 ksi	
Charpy Impact Unnotched	5.40 J/cmÂ²	25.7 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
	210 Â°C	410 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
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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