

Lehmann & Voss LUVOCOM[®] 19-7816 Polyamide 46, with carbon fiber, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Strong, stiff parts. Electrically conductive, suitable for continuous discharging of statically generated electricity. Suitable for metall inserts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-19-7816-Polyamide-46-with-carbon-fiber-lubricant-modified.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.53 g/cc	1.53 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	
Melt Flow	45.9 g/10 min @Load 1.20 kg, Temperature 300 Â°C	45.9 g/10 min @Load 2.65 lb, Temperature 572 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	155 MPa	22500 psi	
Elongation at Yield	1.8 %	1.8 %	
	2.2 %	2.2 %	flexural
Modulus of Elasticity	14.0 GPa	2030 ksi	
Flexural Strength	220 MPa	31900 psi	
Flexural Modulus	12.0 GPa	1740 ksi	
Charpy Impact Unnotched	2.20 J/cmÂ²	10.5 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 Â°C	302 Â°F	
	160 Â°C	320 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	310 Â°C	590 Â°F	mass temp
Nozzle Temperature	280 - 330 Â°C	536 - 626 Â°F	
Zone 1	285 - 315 Â°C	545 - 599 Â°F	
Zone 2	305 - 315 Â°C	581 - 599 Â°F	
Zone 3	305 - 315 Â°C	581 - 599 Â°F	
Mold Temperature	120 - 140 Â°C	248 - 284 Â°F	
Drying Temperature	80.0 Â°C @Time 7200 - 43200 sec	176 Â°F @Time 2.00 - 12.0 hour	Vacuum Dryer
	80.0 Â°C @Time 7200 - 28800 sec	176 Â°F @Time 2.00 - 8.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	grey	

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