

Lehmann & Voss LUVOCOM® 19-7221/OR Polyamide 46, with glass fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 46 , Nylon 46, Glass Fiber Reinforced

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Strong, stiff parts. Highly dimensionally stable at elevated temperatures. Gear parts for automotive appliances, control disks, cams, sliding elements. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-19-7221OR-Polyamide-46-with-glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Water Absorption	1.5 %	1.5 %	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	152 MPa	22000 psi	
Elongation at Yield	2.1 %	2.1 %	
	2.5 %	2.5 %	flexural
Modulus of Elasticity	9.80 GPa	1420 ksi	
Flexural Strength	215 MPa	31200 psi	
Flexural Modulus	8.50 GPa	1230 ksi	
Charpy Impact Unnotched	3.60 J/cmÂ²	17.1 ft-lb/inÂ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	ISO 179 1eA

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 Âµm/m-Â°C	19.4 Âµin/in-Â°F	DIN 53752
Thermal Conductivity	0.350 W/m-K	2.43 BTU-in/hr-ftÂ²-Â°F	DIN 52612
Maximum Service Temperature, Air	150 Â°C	302 Â°F	
	250 Â°C	482 Â°F	short term
Deflection Temperature at 1.8 MPa (264 psi)	280 Â°C	536 Â°F	

Electrical Properties	Metric	English	Comments
Insulation Resistance	$\geq 1.00 \times 10^{12}$ ohm	$\geq 1.00 \times 10^{12}$ 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	176 Â°F	Vacuum Dryer
	@Time 7200 - 43200 sec	@Time 2.00 - 12.0 hour	
	80.0 Â°C	176 Â°F	Dehumidifying dryer
	@Time 7200 - 28800 sec	@Time 2.00 - 8.00 hour	

Descriptive Properties	Value	Comments
Color	orange	

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