

Lehmann & Voss LUVOCOM® 1106-8374 Polyether imide, with carbon fiber and PTFE

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), Carbon Fiber Filled

Material Notes:

Applications: High-strength and high-stiff parts; low coefficient of expansion.High continuous use and heat distortion temperature. Non flammable.Dynamic stressed parts at high movement velocity.High dimensionally stable precision parts.Electrically conductive, suitable for continuous discharging of statically generated electricity.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1106-8374-Polyether-imide-with-carbon-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	23Â°C/24h
Linear Mold Shrinkage	0.00050 - 0.0030 cm/cm	0.00050 - 0.0030 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	180 MPa	26100 psi	
Elongation at Yield	1.2 %	1.2 %	
	1.6 %	1.6 %	flexural
Modulus of Elasticity	18.0 GPa	2610 ksi	
Flexural Strength	260 MPa	37700 psi	
Flexural Modulus	15.0 GPa	2180 ksi	
Charpy Impact Unnotched	2.50 J/cmÂ²	11.9 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	170 Â°C	338 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	
Flammability, UL94	V-0	V-0	not recognized by UL

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1000 ohm	<= 1000 ohm	
Insulation Resistance	<= 10000 ohm	<= 10000 ohm	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	380 Â°C	716 Â°F	mass temp
Nozzle Temperature	350 - 400 Â°C	662 - 752 Â°F	
Zone 1	330 - 350 Â°C	626 - 662 Â°F	
Zone 2	340 - 390 Â°C	644 - 734 Â°F	
Zone 3	350 - 400 Â°C	662 - 752 Â°F	
Mold Temperature	150 - 180 Â°C	302 - 356 Â°F	
Drying Temperature	120 Â°C	248 Â°F	Dehumidifying dryer
	@Time >=28800 sec	@Time >=8.00 hour	
	150 Â°C	302 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