

Lehmann & Voss LUVOCOM® 1106-7742 Polyether imide, with glass fiber, demolding aid

Category : Polymer , Thermoplastic , Polyetherimide (PEI) , Polyetherimide (PEI), 10% Glass Fiber

Material Notes:

Applications: High continuous use and heat distortion temperature. Non flammable. Dynamic stressed parts at high movement velocity. High dimensionally 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-1106-7742-Polyether-imide-with-glass-fiber-demolding-aid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23°C/24h
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	125 MPa	18100 psi	
Elongation at Yield	3.5 %	3.5 %	
	4.5 %	4.5 %	flexural
Modulus of Elasticity	6.00 GPa	870 ksi	
Flexural Strength	175 MPa	25400 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	3.80 J/cm ²	18.1 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	170 °C	338 °F	

Electrical Properties	Metric	English	Comments
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	380 °C	716 °F	mass temp
Nozzle Temperature	350 - 400 °C	662 - 752 °F	
Zone 1	330 - 350 °C	626 - 662 °F	

Processing Properties	Metric	English	Comments
Zone 3	350 - 400 °C	662 - 752 °F	
Mold Temperature	150 - 180 °C	302 - 356 °F	
Drying Temperature	120 °C @Time >=28800 sec	248 °F @Time >=8.00 hour	Dehumidifying dryer
	150 °C @Time >=14400 sec	302 °F @Time >=4.00 hour	or

Descriptive Properties	Value	Comments
Color	beige	

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