

Lehmann & Voss LUVOCOM® 1850-7952 PBT, with glass fiber and PTFE

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber + PTFE Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. High dimensionally stable precision parts, even at elevated temperatures and narrow tolerance range. Parts for electric and electronic industry. Coil formers, duty parts in plugs and switches, even combined with metal inserts. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-7952-PBT-with-glass-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	105 MPa	15200 psi	
Elongation at Yield	2.7 %	2.7 %	
	3.5 %	3.5 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	150 MPa	21800 psi	
Flexural Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	4.00 J/cmÂ²	19.0 ft-lb/inÂ²	flatwise; ISO 179 1fU
Coefficient of Friction, Dynamic	0.17	0.17	
Coefficient of Friction, Static	0.13	0.13	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
	180 Â°C	356 Â°F	short term

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

Processing Properties	Metric	English	Comments
Processing Temperature	250 Â°C	482 Â°F	mass temp
Nozzle Temperature	250 - 265 Â°C	482 - 509 Â°F	
Zone 1	240 - 260 Â°C	464 - 500 Â°F	
Zone 2	260 - 280 Â°C	500 - 536 Â°F	
Zone 3	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	60.0 - 120 Â°C	140 - 248 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	Vacuum Dryer
	@Time 21600 - 28800 sec	@Time 6.00 - 8.00 hour	
	120 Â°C	248 Â°F	Dehumidifying dryer
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	black	

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