

Lehmann & Voss LUVOCOM[®] 1850-7581 PBT, with carbon fiber and PTFE

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Carbon Fiber Filled

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Electrically conductive, suitable for continuous discharging of statically generated electricity. 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-1850-7581-PBT-with-carbon-fiber-and-PTFE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23 [°] C/24h
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	
Melt Flow	16.72 g/10 min @Load 5.00 kg, Temperature 250 [°] C	16.72 g/10 min @Load 11.0 lb, Temperature 482 [°] F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	140 MPa	20300 psi	
Elongation at Yield	1.3 %	1.3 %	
	1.6 %	1.6 %	flexural
Modulus of Elasticity	20.0 GPa	2900 ksi	
Flexural Strength	195 MPa	28300 psi	
Flexural Modulus	17.0 GPa	2470 ksi	
Charpy Impact Unnotched	3.00 J/cm ²	14.3 ft-lb/in ²	edgewise; ISO 179 1eU
Coefficient of Friction, Dynamic	0.14	0.14	
Coefficient of Friction, Static	0.10	0.10	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 [°] C	266 [°] F	
	180 [°] C	356 [°] F	short term
Deflection Temperature at 1.8 MPa (264 psi)	210 [°] C	410 [°] F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Insulation Resistance	<= 100 ohm	<= 100 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	
-------	-------	--

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