

Lehmann & Voss LUVOCOM[®] 1850-8322 PBT, with carbon fiber

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. Strong, stiff parts. Low warpage. Parts for electric and electronic industry, antistatic body parts. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-8322-PBT-with-carbon-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0070 - 0.012 cm/cm	0.0070 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	75.0 MPa	10900 psi	
Elongation at Yield	2.7 %	2.7 %	
	3.4 %	3.4 %	flexural
Modulus of Elasticity	6.00 GPa	870 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
	180 Â°C	356 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+10 ohm	<= 1.00e+10 ohm	
Insulation Resistance	<= 1.00e+10 ohm	<= 1.00e+10 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	250 Â°C	482 Â°F	mass temp

Processing Properties	Metric	English	Comments
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 @Time 21600 - 28800 sec	176 Â°F @Time 6.00 - 8.00 hour	Vacuum Dryer
	120 Â°C @Time 14400 - 21600 sec	248 Â°F @Time 4.00 - 6.00 hour	Dehumidifying dryer

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