

## Lehmann & Voss LUVOCOM<sup>®</sup> 1850-7692/BK PBT, with glass spheres and PTFE

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

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Isotropic shrinkage characteristics. Control disks, cams, sliding elements and other duty parts. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1850-7692BK-PBT-with-glass-spheres-and-PTFE.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-7692BK-PBT-with-glass-spheres-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 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0090 - 0.018 cm/cm	0.0090 - 0.018 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	33.0 MPa	4790 psi	
Elongation at Yield	2.8 %	2.8 %	
	4.0 %	4.0 %	flexural
Modulus of Elasticity	3.00 GPa	435 ksi	
Flexural Strength	50.0 MPa	7250 psi	
Flexural Modulus	2.40 GPa	348 ksi	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 <sup>°</sup> C	266 <sup>°</sup> F	
	150 <sup>°</sup> C	302 <sup>°</sup> 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 <sup>°</sup> C	482 <sup>°</sup> 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.

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