

## Lehmann & Voss LUVOCOM<sup>®</sup> 1850-7315 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. Resistant to aliphatic hydrocarbon, oil, grease, dilute acid and alkali, cleaning solvent and salt solution. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1850-7315-PBT-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1850-7315-PBT-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 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	128 MPa	18600 psi	
Elongation at Yield	2.3 %	2.3 %	
	3.0 %	3.0 %	flexural
Modulus of Elasticity	10.0 GPa	1450 ksi	
Flexural Strength	185 MPa	26800 psi	
Flexural Modulus	8.50 GPa	1230 ksi	
Charpy Impact Unnotched	3.60 J/cm <sup>2</sup>	17.1 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Coefficient of Friction, Dynamic	0.20	0.20	
Coefficient of Friction, Static	0.17	0.17	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 Â°C	266 Â°F	
	160 Â°C	320 Â°F	short term
Vicat Softening Point	205 Â°C	401 Â°F	DIN ISO 306

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 100 ohm	<= 100 ohm	

Insulation Resistance Electrical Properties	≤ 1000 ohm Metric	≤ 1000 ohm English	Comments
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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 @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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