

## Lehmann & Voss LUVOCOM<sup>®</sup> TPE-0900 VP Thermoplastic elastomer, with carbon fiber

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

Applications: Electrically conductive, suitable for continuous discharging of statically generated electricity. Improved wear behaviour, low warpage. Bearings, sleeves, sliding elements, chair rollers, handles. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-TPE-0900-VP-Thermoplastic-elastomer-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-TPE-0900-VP-Thermoplastic-elastomer-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ISO 1183
Water Absorption	<= 0.50 %	<= 0.50 %	23Â°C/24h
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	40.0 MPa	5800 psi	
Elongation at Yield	7.0 %	7.0 %	
	9.5 %	9.5 %	flexural
Modulus of Elasticity	1.60 GPa	232 ksi	
Flexural Strength	55.0 MPa	7980 psi	
Flexural Modulus	1.30 GPa	189 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
	110 Â°C	230 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	
Insulation Resistance	<= 1.00e+6 ohm	<= 1.00e+6 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	210 Â°C	410 Â°F	mass temp
Nozzle Temperature	200 - 220 Â°C	392 - 428 Â°F	

Processing Properties	Metric	English	Comments
Zone 2	190 - 210 Â°C	374 - 410 Â°F	
Zone 3	195 - 215 Â°C	383 - 419 Â°F	
Mold Temperature	25.0 - 55.0 Â°C	77.0 - 131 Â°F	
Drying Temperature	85.0 Â°C @Time 7200 - 10800 sec	185 Â°F @Time 2.00 - 3.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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