

## Lehmann & Voss LUVOCOM<sup>®</sup> 1200-7116 ABS, with carbon fiber

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Applications: Office communication. Electrically conductive, suitable for continuous discharging of statically generated electricity. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1200-7116-ABS-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1200-7116-ABS-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 1183
Water Absorption	<= 0.30 %	<= 0.30 %	23 <sup>°</sup> C/24h
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	
Melt Flow	14 g/10 min @Load 10.0 kg, Temperature 220 <sup>°</sup> C	14 g/10 min @Load 22.0 lb, Temperature 428 <sup>°</sup> F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	80.0 MPa	11600 psi	
Elongation at Yield	1.5 %	1.5 %	
	2.0 %	2.0 %	flexural
Modulus of Elasticity	6.00 GPa	870 ksi	
Flexural Strength	105 MPa	15200 psi	
Flexural Modulus	5.00 GPa	725 ksi	
Charpy Impact Unnotched	1.80 J/cm <sup>2</sup>	8.57 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 179 1eA
Coefficient of Friction, Dynamic	0.19	0.19	
Coefficient of Friction, Static	0.20	0.20	

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 <sup>μ</sup> m/m- <sup>°</sup> C	22.2 <sup>μ</sup> in/in- <sup>°</sup> F	DIN 53752
Thermal Conductivity	0.230 W/m-K	1.60 BTU-in/hr-ft <sup>2</sup> - <sup>°</sup> F	DIN 52612
Maximum Service Temperature, Air	60.0 <sup>°</sup> C	140 <sup>°</sup> F	

Thermal Properties	Metric 80.0 Å°C	English 176 Å°F	Comments short term
Deflection Temperature at 1.8 MPa (264 psi)	96.0 Å°C	205 Å°F	
Vicat Softening Point	100 Å°C	212 Å°F	DIN ISO 306
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 10000 ohm	<= 10000 ohm	
Insulation Resistance	<= 10000 ohm	<= 10000 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	230 - 260 Å°C	446 - 500 Å°F	mass temp
Nozzle Temperature	220 - 250 Å°C	428 - 482 Å°F	
Zone 1	220 - 250 Å°C	428 - 482 Å°F	
Zone 2	220 - 250 Å°C	428 - 482 Å°F	
Zone 3	230 - 260 Å°C	446 - 500 Å°F	
Mold Temperature	40.0 - 80.0 Å°C	104 - 176 Å°F	
Drying Temperature	70.0 - 95.0 Å°C @Time 7200 - 14400 sec	158 - 203 Å°F @Time 2.00 - 4.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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