

## Lehmann & Voss LUVOCOM® 1-7956 Polyamide 66, with carbon fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering.Strong, stiff parts.Reduced moment of inertia compared with metal parts.Electrically conductive, suitable for continuous discharging of statically generated electricity.Gear parts for automotive appliances, control disks, cams, sliding elements.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-1-7956-Polyamide-66-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1-7956-Polyamide-66-with-carbon-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0080 cm/cm	0.0030 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	150 MPa	21800 psi	
Elongation at Yield	2.0 %	2.0 %	
	2.5 %	2.5 %	flexural
Modulus of Elasticity	13.0 GPa	1890 ksi	
Flexural Strength	210 MPa	30500 psi	
Flexural Modulus	11.0 GPa	1600 ksi	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	edgewise; ISO 179 1eU

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 Â°C	212 Â°F	
	160 Â°C	320 Â°F	short term

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

Processing Properties	Metric	English	Comments
Processing Temperature	290 Â°C	554 Â°F	mass temp

Processing Properties	Metric	English	Comments
Zone 1	290 - 310 Â°C	554 - 590 Â°F	
Zone 2	290 - 310 Â°C	554 - 590 Â°F	
Zone 3	290 - 310 Â°C	554 - 590 Â°F	
Mold Temperature	90.0 - 120 Â°C	194 - 248 Â°F	
Drying Temperature	75.0 Â°C	167 Â°F	Dehumidifying dryer
	@Time 21600 - 57600 sec	@Time 6.00 - 16.0 hour	
	105 Â°C	221 Â°F	Vacuum Dryer
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	black	

## Contact Songhan Plastic Technology Co.,Ltd.

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