

## Lehmann & Voss LUVOCOM<sup>®</sup> 6-7433 Polyamide 12, with carbon fiber, hydrolysis resistant

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. High-strength and high-stiff parts; low coefficient of expansion. Especially suitable at dynamic stress situations. Electrically conductive, suitable for continuous discharging of statically generated electricity. Low water absorption, for dimensionally stable precision parts. 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-6-7433-Polyamide-12-with-carbon-fiber-hydrolysis-resistant.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-6-7433-Polyamide-12-with-carbon-fiber-hydrolysis-resistant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23°C/24h
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	125 MPa	18100 psi	
Elongation at Yield	3.2 %	3.2 %	
	4.2 %	4.2 %	flexural
Modulus of Elasticity	9.50 GPa	1380 ksi	
Flexural Strength	180 MPa	26100 psi	
Flexural Modulus	8.50 GPa	1230 ksi	
Charpy Impact Unnotched	5.50 J/cm <sup>2</sup>	26.2 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	
	140 °C	284 °F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1e+05	<= 1e+05	
Insulation Resistance	<= 100000 ohm	<= 100000 ohm	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	250 Â°C	482 Â°F	mass temp
Nozzle Temperature	250 - 260 Â°C	482 - 500 Â°F	
Zone 1	230 - 250 Â°C	446 - 482 Â°F	
Zone 2	240 - 260 Â°C	464 - 500 Â°F	
Zone 3	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	75.0 Â°C @Time 21600 - 36000 sec	167 Â°F @Time 6.00 - 10.0 hour	Dehumidifying dryer
	105 Â°C @Time <= 14400 sec	221 Â°F @Time <= 4.00 hour	or

Descriptive Properties	Value	Comments
Color	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China