

## Lehmann & Voss LUVOCOM<sup>®</sup> 6-7834 Polyamide 12, lubricant modified

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Dynamic stressed parts. Low water absorption, for dimensional stable precision parts. Isotropic shrinkage characteristics. Bearings, sleeves, sliding elements, handles, machine parts. Information provided by Lehmann & Voss & Co. KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-6-7834-Polyamide-12-lubricant-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-6-7834-Polyamide-12-lubricant-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ISO 1183
Water Absorption	<= 0.10 %	<= 0.10 %	23Â°C/24h
Linear Mold Shrinkage	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	
Melt Flow	<= 12.2 g/10 min @Load 5.00 kg, Temperature 235 Â°C	<= 12.2 g/10 min @Load 11.0 lb, Temperature 455 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Stress	53.0 MPa	7690 psi	
Elongation at Yield	5.5 %	5.5 %	
	7.5 %	7.5 %	flexural
Modulus of Elasticity	2.80 GPa	406 ksi	
Flexural Strength	75.0 MPa	10900 psi	
Flexural Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	13.0 J/cm <sup>2</sup>	61.9 ft-lb/in <sup>2</sup>	edgewise; ISO 179 1eU

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

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	
Insulation Resistance	>= 1.00e+9 ohm	>= 1.00e+9 ohm	

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	167 Â°F	Dehumidifying dryer
	@Time 21600 - 36000 sec	@Time 6.00 - 10.0 hour	
	105 Â°C	221 Â°F	or
	@Time <= 14400 sec	@Time <= 4.00 hour	

Descriptive Properties	Value	Comments
Color	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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