

## Lehmann & Voss LUVOCOM<sup>®</sup> 3-8277 Polyamide 6, unreinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Applications: Automotive industry, textile machinery, apparatus- and precision engineering.Improved friction and wear behaviour.

Emergency running property.Isotropic shrinkage characteristics.Reduced moment of inertia compared with metal parts.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-3-8277-Polyamide-6-unreinforced.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-3-8277-Polyamide-6-unreinforced.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.011 - 0.016 cm/cm	0.011 - 0.016 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	65.0 MPa	9430 psi	
Elongation at Yield	2.8 %	2.8 %	
	3.6 %	3.6 %	flexural
Modulus of Elasticity	3.50 GPa	508 ksi	
Flexural Strength	90.0 MPa	13100 psi	
Flexural Modulus	3.00 GPa	435 ksi	
Charpy Impact Unnotched	4.00 J/cm <sup>Â</sup> 2	19.0 ft-lb/in <sup>Â</sup> 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.400 J/cm <sup>Â</sup> 2	1.90 ft-lb/in <sup>Â</sup> 2	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
	120 Â°C	248 Â°F	short term

Electrical Properties	Metric	English	Comments
Surface Resistance	>= 1.00e+10 ohm	>= 1.00e+10 ohm	
Insulation Resistance	>= 1.00e+10 ohm	>= 1.00e+10 ohm	

Processing Properties	Metric	English	Comments
Processing Temperature	270 Â°C	518 Â°F	mass temp
Nozzle Temperature	270 - 280 Â°C	518 - 536 Â°F	
Zone 1	250 - 270 Â°C	482 - 518 Â°F	
Zone 2	270 - 290 Â°C	518 - 554 Â°F	
Zone 3	280 - 300 Â°C	536 - 572 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 36000 - 57600 sec	@Time 10.0 - 16.0 hour	
	105 Â°C	221 Â°F	or
	@Time 14400 - 21600 sec	@Time 4.00 - 6.00 hour	

Descriptive Properties	Value	Comments
Color	black blue	

## 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