

Lehmann & Voss LUVOCOM® 3-8266/BL 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-3-8266BL-Polyamide-6-unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.69 g/cc	1.69 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	65.0 MPa	9430 psi	
Elongation at Yield	2.3 %	2.3 %	
	3.0 %	3.0 %	flexural
Modulus of Elasticity	4.50 GPa	653 ksi	
Flexural Strength	90.0 MPa	13100 psi	
Flexural Modulus	3.80 GPa	551 ksi	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	edgewise; ISO 179 1eU
Charpy Impact, Notched	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	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	sapphire blue	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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