

## Lehmann & Voss LUVOCOM<sup>®</sup> 3-7281/PL/HI/BK Polyamide 6, with PTFE, toughness-modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , PTFE Filled

### 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-3-7281PLHIBK-Polyamide-6-with-PTFE-toughness-modified.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-3-7281PLHIBK-Polyamide-6-with-PTFE-toughness-modified.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ISO 1183
Water Absorption	<= 1.0 %	<= 1.0 %	23Â°C/24h
Linear Mold Shrinkage	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	45.0 MPa	6530 psi	
Elongation at Yield	5.0 %	5.0 %	
	6.5 %	6.5 %	flexural
Modulus of Elasticity	2.00 GPa	290 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	1.70 GPa	247 ksi	
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	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+12 ohm	>= 1.00e+12 ohm	
Insulation Resistance	>= 1.00e+12 ohm	>= 1.00e+12 ohm	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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