

## Lehmann & Voss LUVOCOM<sup>®</sup> 3-7723/ EG Polyamide 6, with carbon fiber, high viscosity

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile machinery, apparatus- and precision engineering.High-strength and stiff parts; low coefficient of expansion.dynamic stressAntistatic.Handles, levers, rollers, extrusion profiles.Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-3-7723-EG-Polyamide-6-with-carbon-fiber-high-viscosity.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-3-7723-EG-Polyamide-6-with-carbon-fiber-high-viscosity.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ISO 1183
Water Absorption	<= 1.3 %	<= 1.3 %	23Â°C/24h
Linear Mold Shrinkage	0.0030 - 0.0080 cm/cm	0.0030 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	140 MPa	20300 psi	
Elongation at Yield	3.3 %	3.3 %	
	4.5 %	4.5 %	flexural
Modulus of Elasticity	8.00 GPa	1160 ksi	
Flexural Strength	200 MPa	29000 psi	
Flexural Modulus	7.00 GPa	1020 ksi	
Charpy Impact Unnotched	7.00 J/cm <sup>Â</sup> 2	33.3 ft-lb/in <sup>Â</sup> 2	edgewise; ISO 179 1eU
Charpy Impact, Notched	1.50 J/cm <sup>Â</sup> 2	7.14 ft-lb/in <sup>Â</sup> 2	ISO 179 1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 Â°C	194 Â°F	
	130 Â°C	266 Â°F	short term
Vicat Softening Point	220 Â°C	428 Â°F	DIN ISO 306

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+8 ohm	<= 1.00e+8 ohm	
Insulation Resistance	<= 1.00e+9 ohm	<= 1.00e+9 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	natural color (black)	

## Contact Songhan Plastic Technology Co.,Ltd.

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