

**Lehmann & Voss LUVOCOM® NY-4/PL/15/BK Polyamide 612, with PTFE**

Category : Polymer , Thermoplastic , Nylon , Nylon 612

**Material Notes:**

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Isotropic shrinkage characteristics. Bearings, sleeves, sliding elements, control disks, gear wheels, duty parts in switches. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-NY-4PL15BK-Polyamide-612-with-PTFE.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-NY-4PL15BK-Polyamide-612-with-PTFE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ISO 1183
Water Absorption	<= 0.35 %	<= 0.35 %	23Â°C/24h
Linear Mold Shrinkage	0.014 - 0.020 cm/cm	0.014 - 0.020 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Stress	45.0 MPa	6530 psi	
Elongation at Yield	4.0 %	4.0 %	
	6.5 %	6.5 %	flexural
Flexural Strength	70.0 MPa	10200 psi	
Flexural Modulus	2.00 GPa	290 ksi	
Charpy Impact Unnotched	2.90 J/cmÂ²	13.8 ft-lb/inÂ²	flatwise; ISO 179 1fU
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	ISO 179 1eA
Coefficient of Friction, Dynamic	0.27	0.27	
Coefficient of Friction, Static	0.21	0.21	

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
Processing Temperature	280 Â°C	536 Â°F	mass temp
Nozzle Temperature	230 - 285 Â°C	446 - 545 Â°F	

Zone 1 Processing Properties	220 - 260 Â°C Metric	428 - 500 Â°F English	Comments
Zone 2	225 - 265 Â°C	437 - 509 Â°F	
Zone 3	230 - 275 Â°C	446 - 527 Â°F	
Mold Temperature	60.0 - 120 Â°C	140 - 248 Â°F	
Drying Temperature	80.0 Â°C  @Time 14400 - 21600 sec	176 Â°F  @Time 4.00 - 6.00 hour	Dehumidifying dryer

Descriptive Properties	Value	Comments
Color	black	

**Contact Songhan Plastic Technology Co.,Ltd.**

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