

**LUVOCOM® NY-4/PL/15/BK**

LEHVOSS Group - Polyamide 612

**General Information**
**Product Description**

with PTFE; black

**Main Features**

- Isotropic shrinkage characteristics.
- Improved friction and wear behaviour. Optimised for dry running operations.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• PTFE Lubricant		
Features	• Low Friction	• Lubricated	• Wear Resistant
Appearance	• Black		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F)	< 0.35	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	6530	psi	ISO 527-2
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Flexural Modulus <sup>2</sup>	290000	psi	ISO 178
Flexural Stress <sup>3</sup>	10200	psi	ISO 178
Flexural Strain - (Yield) <sup>4</sup>	6.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.9	ft·lb/in <sup>2</sup>	ISO 179/1eA
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 62631-3-2
Insulation Resistance <sup>5</sup>	> 1.0E+12	ohms	IEC 62631-3-3

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer, A	176	°F
Drying Time - Desiccant Dryer, A	4.0 to 6.0	hr
Rear Temperature	428 to 500	°F
Middle Temperature	437 to 509	°F
Front Temperature	446 to 527	°F
Nozzle Temperature	446 to 545	°F
Mold Temperature	140 to 248	°F

**Injection Notes**

During processing, the moisture level should not exceed 0.01%, otherwise molecular degradation may occur. As the material absorbs water very quickly, the predried material should be fed to the processing immediately. The processing notes provided merely represent a recommendation for general use. Due to the large variety of machines, geometries and volumes of parts, etc., it may be necessary to employ different settings according to the specific application. Please contact us for further information.

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.079 in/min

<sup>3</sup> 0.39 in/min

<sup>4</sup> 10 mm/min

<sup>5</sup> strip electrode R25

