

**LUVOCOM® 1-8867/LGF/HI**  
 LEHOSS Group - Polyamide 66

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

with glass fibers, heat stabilized; natural color (white); 7 mm pellet

**Main Features**

- Strong, stiff parts.
- Especially suitable for dynamic-stress situations.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized	• High Stiffness	• High Strength
Appearance	• White		
Forms	• Pellets		

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.31	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F)	< 1.0	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	1.45E+6	psi	ISO 527-1/1
Tensile Stress	26800	psi	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus <sup>2</sup>	1.31E+6	psi	ISO 178
Flexural Stress <sup>3</sup>	37000	psi	ISO 178
Flexural Strain - (Yield) <sup>4</sup>	4.0	%	ISO 178
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength	19	ft·lb/in <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	48	ft·lb/in <sup>2</sup>	ISO 179/1eU
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Unannealed)	473	°F	ISO 75-2/A
Continuous Use Temperature <sup>5</sup>	230	°F	IEC 60216
CLTE - Flow	1.7E-5	in/in/°F	ISO 11359-2
Thermal Conductivity <sup>6</sup>	2.1	Btu·in/hr/ft <sup>2</sup> /°F	ISO 22007
Service Temperature - during lifetime max. 200 hr	302	°F	
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Surface Resistivity	1.0E+12	ohms	IEC 62631-3-2
Insulation Resistance <sup>7</sup>	1.0E+12	ohms	IEC 62631-3-3

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature		
--		221 °F
Desiccant Dryer, A		167 °F
Drying Time		
--		4.0 to 6.0 hr
Desiccant Dryer A		6.0 to 16 hr



Rear Temperature	554 to 590 °F
Middle Temperature	554 to 590 °F
Front Temperature	554 to 590 °F
Nozzle Temperature	536 to 572 °F
Mold Temperature	194 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> 20,000 hr

<sup>6</sup> in plane; hot disk

<sup>7</sup> strip electrode R25

