LUVOCOM® 1-50765

LEHVOSS Group - *Polyamide 66*

General Information

Product Description

lubricant modified; natural color

Main Features

- Improved friction and wear behaviour. Optimised for dry running operations.
- Strong, stiff parts.
- High dimensionally stable precision parts, even at elevated temperatures and narrow tolerance range.
- Electrically conductive, suitable for continuous discharging of statically-generated electricity.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Lubricant		
Features	• Electrically Conductive • High Dimensional Stability • High Heat Resistance	• High Stiffness • High Strength • Low Friction	• Lubricated • Wear Resistant
Appearance	• Natural Color		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm³	ISO 1183
Water Absorption (24 hr, 73°F)	< 0.10	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3.05E+6	psi	ISO 527-1/1
Tensile Stress	33400	psi	ISO 527-2
Tensile Strain (Yield)	1.9	%	ISO 527-2/50
Flexural Modulus [2]	2.76E+6	psi	ISO 178
Flexural Stress [3]	45000	psi	ISO 178
Flexural Strain - (Yield) [4]	2.2	%	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	4.8	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength	19	ft·lb/in²	ISO 179/1eU

Processing Information

Injection	Nominal Value	Unit
Drying Temperature		
Desiccant Dryer, A	167	°F
Vacuum Dryer, B	221	°F
Drying Time		
Desiccant Dryer, A	6.0 to 16	hr
Vacuum Dryer, B	4.0 to 6.0	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
Processing (Melt) Temp	554	°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

[1] Typical properties: these are not to be construed as specifications.

[2] 0.079 in/min

[3] 0.39 in/min

[4] 10 mm/min