

LUVOCOM® 1-8988 TC

LEVOSS Group - Polyamide 66

General Information
Product Description

with mineral filler, thermally conductive modified; dark grey

Main Features

- Isotropic shrinkage characteristics.
- Low warpage.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Mineral
Features	• Low Warpage • Thermally Conductive
Appearance	• Dark Grey

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/5.0 kg)	10	cm ³ /10min	ISO 1133
Water Absorption (24 hr, 73°F)	< 1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.09E+6	psi	ISO 527-1/1
Tensile Stress	10900	psi	ISO 527-2
Tensile Strain (Yield)	2.0	%	ISO 527-2/50
Flexural Modulus ²	943000	psi	ISO 178
Flexural Stress ³	13800	psi	ISO 178
Flexural Strain - (Yield) ⁴	2.5	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	12	ft-lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature ⁵	212	°F	IEC 60216
Thermal Conductivity ⁶	38	Btu-in/hr/ft ² /°F	ISO 22007
Service Temperature - during lifetime max.	200	hr	284 °F
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+11	ohms	IEC 62631-3-2
Insulation Resistance ⁷	> 1.0E+11	ohms	IEC 62631-3-3

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

⁵ 20,000 hr

⁶ in plane; hot disk

⁷ strip electrode R25

