

LUVOCOM® 100-9298/GY/EC

 LEHOSS Group - *Thermoplastic Polyurethane Elastomer*
General Information
Product Description

with carbon fibers; grey

Main Features

- Electrically conductive, suitable for continuous discharging of statically-generated electricity.
- Improved wear behaviour, low warpage.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Carbon Fiber		
Features	• Electrically Conductive	• Low Warpage	• Wear Resistant
Appearance	• Grey		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F)	< 0.50	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	131000	psi	ISO 527-1/1
Tensile Stress	8120	psi	ISO 527-2
Tensile Strain (Yield)	22	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	26	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature ²	176	°F	IEC 60216
Vicat Softening Temperature	239	°F	ISO 306/A
Service Temperature - during lifetime max. 200 hr	230	°F	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	IEC 62631-3-2
Insulation Resistance ³	< 1.0E+4	ohms	IEC 62631-3-3

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature		
Circulation Dryer, B	212 to 230	°F
Desiccant Dryer, A	140 to 194	°F
Drying Time		
Circulation Dryer, B	2.0 to 3.0	hr
Desiccant Dryer, A	2.0 to 3.0	hr
Rear Temperature	374 to 446	°F
Middle Temperature	374 to 446	°F
Front Temperature	374 to 446	°F
Nozzle Temperature	392 to 464	°F
Mold Temperature	77 to 140	°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 20,000 hr

³ strip electrode R25

