LATILUB 66-10E G/15

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description

Self-lubricating product based on Polyamide 66 (PA 66). UHMWPE. Glass fibres. PFAS-free product.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber	• UHMW Polyethylene	
Features	• PFAS Free	• Self Lubricating	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.21	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	1.0 to 1.3	%	
Flow : 0.0787 in	0.50 to 0.80	%	
Water Absorption [3] (Saturation, 73°F)	1.9	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	725000	psi	ISO 527-1/1
Tensile Stress (Break, 73°F)	13800	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	3.5	%	ISO 527-2/5
Coefficient of Friction [4]			Internal Method
Dynamic	0.33		
Static	0.30		
Wear Factor [5]	2500	10^-10 in³·min/ft·lb·hr	Internal Method
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	26	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	482	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	446	°F	ISO 75-2/A
Vicat Softening Temperature	464	°F	ISO 306/B120
CLTE - Flow (86 to 212°F)	2.5E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	4.4E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257
Dielectric Strength (73°F, 0.0787 in, Method A (Short-Time))	480	V/mil	ASTM D149

Notes

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

[2] 60 MPa

[3] in air

[4] ISO 7148-2 (speed 0.126 m/s, load 10N)

[5] ISO 7148-2 (speed 0.126 m/s, load 10N, path length 13.6km)