LATILUB 66-15ST G/30

LATI INDUSTRIA TERMOPLASTICI SPA - *Polyamide 66*

General Information

Product Description			
Self-lubricating product based on Polyamide 66 (PA 66). Silicone / PTFE. Glass fibres.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• PTFE + Silicone Lubricant		
Features	• Lubricated	• Self Lubricating	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.46	g/cm³	ISO 1183
Molding Shrinkage [2]			ISO 294-4
Across Flow : 0.0787 in	0.70 to 1.0	%	
Flow : 0.0787 in	0.30 to 0.55	%	
Water Absorption [3] (Saturation, 73°F)	1.7	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-1/1
73°F	1.33E+6	psi	
140°F	1.04E+6	psi	
194°F	696000	psi	
248°F	580000	psi	
302°F	522000	psi	
Tensile Stress			ISO 527-2/5
Break, 73°F	21800	psi	
Break, 140°F	14500	psi	
Break, 194°F	11600	psi	
Break, 248°F	10200	psi	
Break, 302°F	8700	psi	
Tensile Strain			ISO 527-2/5
Break, 73°F	2.5	%	
Break, 140°F	3.5	%	
Break, 194°F	5.3	%	
Break, 248°F	6.5	%	
Break, 302°F	7.5	%	
Coefficient of Friction [4]			Internal Method
Dynamic	0.35		
Static	0.27		
Wear Factor [5]	450	10^-10 in³·min/ft·lb·hr	Internal Method
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	33	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	500	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	473	°F	ISO 75-2/A
Vicat Softening Temperature	491	°F	ISO 306/B120

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CLTE - Flow (86 to 212°F)	1.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (86 to 212°F)	3.3E-5	in/in/°F	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+12	ohms	ASTM D257

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)

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