

Latilub 66-01M G/30

Polyamide 66

LATI S.p.A.

Message:

Self-lubricating product based on Polyamide 66 (PA 66).
Molybdenum disulfide. Glass fibres. Product UL certified.

General Information			
UL YellowCard	E54080-244025	E54080-244026	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Molybdenum Disulfide Lubricant		
Features	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.1	%	
Flow : 2.00 mm	0.35 to 0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	9400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	165	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.1	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.36		
vs. Itself - Static	0.42		
Wear Factor	3.00E-9	(m³/h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	275 to 300	°C	

Mold Temperature	70.0 to 100	°C
Injection Rate	Moderate	
NOTE		
1.	at 60 Mpa of cavity pressure	

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