

Latilub 62-10T

Polyamide 6

LATI S.p.A.

Message:

Self-lubricating product based on Polyamide 6 (PA 6).
PTFE.

General Information			
Additive	PTFE lubricant		
Features	Self-lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Vertical flow direction: 2.00mm	1.0 - 1.4	%	ISO 294-4
Flow direction: 2.00mm	0.95 - 1.3	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	65.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	4.0	%	ISO 527-2/5
Fracture, 23°C	20	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
With self-dynamics	0.22		ASTM D3702
With Self-Static	0.25		ASTM D3702
Wear Factor	9.30E-10	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	170	°C	ISO 75-2/B
1.8 MPa, not annealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	195	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	70.0 - 90.0	°C	
Injection Rate	Moderate		

NOTE

1. at 60 Mpa of cavity pressure

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