

Latilub 66-20T

Polyamide 66

LATI S.p.A.

Message:

Self-lubricating product based on Polyamide 66 (PA 66).
PTFE.

General Information			
Additive	PTFE Lubricant		
Features	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.4 to 1.7	%	
Flow : 2.00 mm	1.3 to 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2800	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	65.0	MPa	
Break, 23°C	65.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 23°C	9.0	%	
Break, 23°C	10	%	
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.22		
vs. Itself - Static	0.26		
Wear Factor	6.20E-10	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	270 to 300	°C	

Mold Temperature	70.0 to 90.0	°C
Injection Rate	Moderate	
NOTE		
1.	at 60 Mpa of cavity pressure	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

