

Latilub 87/28-20T

Polycarbonate

LATI S.p.A.

Message:

Self-lubricating product based on Polycarbonate (PC).
PTFE. Product UL certified.

General Information			
UL YellowCard	E54080-244053		
Additive	PTFE Lubricant		
Features	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.75	%	
Flow : 2.00 mm	0.55 to 0.75	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2200	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	110	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	8.0	%	
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.14		
vs. Itself - Static	0.18		
Wear Factor	3.50E-10	(m ³ /h)/(N·m·h)	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	130	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	V-1		
Injection	Nominal Value	Unit	

Drying Temperature	110 to 130	°C
Drying Time	3.0	hr
Processing (Melt) Temp	265 to 300	°C
Mold Temperature	80.0 to 100	°C
Injection Rate	Moderate	

NOTE

1. at 60 Mpa of cavity pressure

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