

Latilub 87/24UV-20T

Polycarbonate

LATI S.p.A.

Message:

Self-lubricating product based on Polycarbonate (PC).

UV stabilised. PTFE. Intrinsically flame retardant.

General Information			
Additive	PTFE Lubricant		
	UV Stabilizer		
Features	Flame Retardant		
	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.34	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)	55.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield, 23°C	3.0	%	
Break, 23°C	10	%	
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.14		
vs. Itself - Static	0.18		
Wear Factor	40	10 ⁻⁸ mm ³ /N · m	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
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Vicat Softening Temperature	140	°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
Suggested Max Regrind	15	%
Processing (Melt) Temp	265 to 300	°C
Mold Temperature	80.0 to 100	°C
Injection Rate	Moderate	
NOTE		
1.	60 MPa	

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