

Latilub 80-17ST G/30

Polyphenylene Sulfide

LATI S.p.A.

Message:

Self-lubricating product based on Polyphenylene Sulphide (PPS).

Silicone / PTFE. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
	Silicone Lubricant		
Features	Self Lubricating		
Agency Ratings	NSF 51		
Physical	Nominal Value	Unit	Test Method
Density	1.67	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	0.25 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	135	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.7	%	ISO 527-2/5
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.16		
vs. Itself - Static	0.19		
Wear Factor	90	10 ⁻⁸ mm ³ /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	275	°C	ISO 75-2/B
1.8 MPa, Unannealed	265	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 to 310	°C	
Mold Temperature	130 to 150	°C	

Injection Rate	Moderate-Fast
NOTE	
1.	60 MPa

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