

Latilub 57-30GRTS G/20

Polyphthalamide

LATI S.p.A.

Message:

Self-lubricating product based on Semi-aromatic polyammide (PPA).

Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.54	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.2 to 1.6	%	
Flow : 2.00 mm	0.50 to 0.80	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	115	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.22		
vs. Itself - Static	0.24		
Wear Factor	80	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)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	295	°C	ISO 75-2/B
1.8 MPa, Unannealed	275	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Injection	Nominal Value	Unit	Test Method
Drying Temperature	120 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	310 to 330	°C	
Mold Temperature	150 to 170	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		

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