

Latilub 52/30-15T G/30

Polypropylene Homopolymer

LATI S.p.A.

Message:

Self-lubricating product based on Polypropylene homopolymer (PPh).
PTFE. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
Features	Homopolymer		
	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	1.0 to 1.3	%	
Flow : 2.00 mm	0.40 to 0.65	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6700	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.8	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.10		
vs. Itself - Static	0.16		
Wear Factor	1.20E-9	(m ³ /h)/(N·m·h)	ASTM D3702

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	80	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	145	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50

Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	40.0 to 60.0	°C	

Injection Rate

Moderate

NOTE

1. at 60 Mpa of cavity pressure

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