

Latilub 75/4-15ST G/30

Polybutylene Terephthalate

LATI S.p.A.

Message:

Self-lubricating product based on Polybutylene Terephthalate (PBT).

Silicone / PTFE. Glass fibres.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE + Silicone Lubricant		
Features	Self Lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.61	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.1 to 1.4	%	
Flow : 2.00 mm	0.35 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8800	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	100	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.7	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.11		
vs. Itself - Static	0.16		
Wear Factor	1.40E-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)	30	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	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Injection	Nominal Value	Unit	Test Method
Drying Temperature	100 to 120	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	240 to 250	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			

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