

Latilub 30/R-07 GRT

General Purpose Polystyrene

LATI S.p.A.

Message:

Self-lubricating product based on Polystyrene (PS). Graphite / PTFE.

General Information			
Additive	PTFE + Graphite Lubricant		
Features	Lubricated		
	Self Lubricating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.70 to 0.90	%	
Flow	0.70 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	1.0	%	
Break, 23°C	30	%	
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.11		
vs. Itself - Static	0.18		
Wear Factor	1.02E-6	cm ³ · min/kg · m · h	ASTM D3702
Mold Shrinkage Pressure	60.0	MPa	ISO 294-4
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)	50	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	Test Method
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	

Processing (Melt) Temp	220 to 260	°C
Mold Temperature	40.0 to 60.0	°C
Injection Rate	Moderate	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

