

Latilub 80-15T G/30

Polyphenylene Sulfide

LATI S.p.A.

Message:

Self-lubricating product based on Polyphenylene Sulphide (PPS).
UL94 V-0 classified, halogens free. PTFE. Glass fibres. Product UL certified.

General Information			
UL YellowCard	E54080-244060		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
Features	Halogen Free		
	Self Lubricating		

Physical	Nominal Value	Unit	Test Method
Density	1.62	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)	13500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	120	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.17		
vs. Itself - Static	0.21		
Wear Factor	8.70E-10	(m ³ /h)/(N·m·h)	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)	55	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	60	J/m	ASTM D256A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	275	°C	ISO 75-2/B
1.8 MPa, Unannealed	260	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50

Flammability	Nominal Value	Test Method
Flame Rating (0.750 mm)	V-0	UL 94

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. at 60 Mpa of cavity pressure

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Recommended distributors for this material

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

