

Latilub 80-10T G/40

Polyphenylene Sulfide

LATI S.p.A.

Message:

Self-lubricating product based on Polyphenylene Sulphide (PPS).
PTFE. Glass fibres.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	PTFE lubricant		
Features	Self-lubricating		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Vertical flow direction: 2.00mm	0.40 - 0.60	%	ISO 294-4
Flow direction: 2.00mm	0.10 - 0.25	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	14500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	160	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5
Coefficient of Friction			ASTM D1894
With self-dynamics	0.23		ASTM D1894
With Self-Static	0.26		ASTM D1894
Wear Factor	100	10 ⁻⁸ mm³/N·m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	280	°C	ISO 75-2/B
1.8 MPa, not annealed	265	°C	ISO 75-2/A
Vicat Softening Temperature	260	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	290 - 310	°C	
Mold Temperature	130 - 150	°C	
Injection Rate	Moderate-Fast		
NOTE			

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Recommended distributors for this material

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