

Latan 13 G/30

Acetal (POM) Copolymer

LATI S.p.A.

Message:

Compound based on Polyoximethylene (POM).

Glass fibres.

Medium viscosity. Good tribological properties.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density	1.59	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	0.45 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	7500	MPa	
60°C	5900	MPa	
90°C	4000	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	100	MPa	
Break, 60°C	85.0	MPa	
Break, 90°C	55.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.0	%	
Break, 60°C	4.0	%	
Break, 90°C	6.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	160	°C	ISO 75-2/A
Continuous Use Temperature ²	85.0	°C	
Vicat Softening Temperature	150	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	3.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Comparative Tracking Index ³ (Solution A)	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	180 to 210	°C	
Mold Temperature	80.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

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