

Latamid SP2 H2 G/35

Polyamide 612

LATI S.p.A.

Message:

Compound based on Polyamide 6.12 (PA 6.12).
Heat stabilised. Glass fibres.
Low moisture absorption.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low to No Water Absorption		

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.75 to 1.1	%	
Flow : 2.00 mm	0.35 to 0.60	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9300	MPa	
60°C	6500	MPa	
90°C	5600	MPa	
120°C	3900	MPa	
150°C	3200	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	145	MPa	
Break, 60°C	105	MPa	
Break, 90°C	90.0	MPa	
Break, 120°C	75.0	MPa	
Break, 150°C	60.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.6	%	
Break, 60°C	4.7	%	
Break, 90°C	5.0	%	
Break, 120°C	6.0	%	
Break, 150°C	7.0	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	95	kJ/m ²	ISO 179/1eU

Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Continuous Use Temperature ²	110	°C	
Vicat Softening Temperature	210	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	8.0E-6	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 Mpa of cavity pressure		
2.	20,000 hr		

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