Latamid SP1 G/50

Polyamide 610

LATI S.p.A.

Message:

Compound based on Polyamide 6.10 (PA 6.10).
Glass fibres.
Low moisture absorption.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Low to No Water Absorption		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.49	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.65 to 0.95	%	
Flow : 2.00 mm	0.30 to 0.60	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	14000	MPa	
60°C	9800	MPa	
90°C	8400	MPa	
120°C	5800	MPa	
150°C	4800	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	215	MPa	
Break, 60°C	155	MPa	
Break, 90°C	130	MPa	
Break, 120°C	110	MPa	
Break, 150°C	90.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.5	%	
Break, 60°C	3.3	%	
Break, 90°C	3.8	%	
Break, 120°C	4.2	%	
Break, 150°C	4.8	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	80	kJ/m²	ISO 179/1eU
Notched Izod Impact (23°C, 3.20 mm)	150	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			

0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Continuous Use Temperature [2]	130	°C	
Vicat Softening Temperature	220	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	6.0E-6	cm/cm/°C	ASTM D696

Injection	Nominal Value	Unit
Drying Temperature	70.0 to 90.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	80.0 to 100	°C
Injection Rate	Moderate	

NOTE	
1.	at 60 Mpa of cavity pressure
2.	20,000 hr

Recommended distributors for this material

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