

Latamid 12 H2 K/30

Polyamide 12

LATI S.p.A.

Message:

Compound based on Polyamide 12 (PA 12).

Heat stabilised. Carbon fibre.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.60 to 0.90	%	
Flow : 2.00 mm	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	16000	MPa	
60°C	7200	MPa	
90°C	6600	MPa	
120°C	3900	MPa	
150°C	2600	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	140	MPa	
Break, 60°C	95.0	MPa	
Break, 90°C	70.0	MPa	
Break, 120°C	50.0	MPa	
Break, 150°C	35.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	3.0	%	
Break, 60°C	4.5	%	
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			ISO 179/1eA
-20°C	8.0	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-20°C	40	kJ/m ²	
23°C	45	kJ/m ²	
Notched Izod Impact (23°C, 3.20 mm)	70	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	175	°C	ISO 75-2/A
Continuous Use Temperature ²	120	°C	
Vicat Softening Temperature	170	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-6	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index ³ (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		
1.50 mm	V-2		
3.00 mm	V-2		
Oxygen Index	21	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	210 to 230	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		
3.	Without Surfactant		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT