Latamid 66 H2 G/50-GWHF1

Polyamide 66

LATI S.p.A.

Message:

Polyamide 66 (PA66) based compound.
Heat stabilised. Glass fibres. improved G.W.F.I. compared to standard product.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.58	g/cm³	ISO 1183
Molding Shrinkage [1]			ISO 294-4
Across Flow : 2.00 mm	0.80 to 1.2	%	
Flow : 2.00 mm	0.30 to 0.60	%	
Water Absorption (23°C, 24 hr)	0.26	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2/1
23°C	16500	MPa	
60°C	11000	MPa	
90°C	6500	MPa	
120°C	6000	MPa	
150°C	5000	MPa	
Tensile Stress			ISO 527-2/5
Break, 23°C	205	MPa	
Break, 60°C	150	MPa	
Break, 90°C	110	MPa	
Break, 120°C	90.0	MPa	
Break, 150°C	80.0	MPa	
Tensile Strain			ISO 527-2/5
Break, 23°C	2.2	%	
Break, 60°C	3.0	%	
Break, 90°C	3.8	%	
Break, 120°C	4.1	%	
Break, 150°C	4.4	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	°C	ISO 75-2/A
Continuous Use Temperature [2]	135	°C	
Vicat Softening Temperature	255	°C	ISO 306/B50
CLTE - Flow (30 to 100°C)	4.0E-6	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	800	°C	
2.00 mm	800	°C	
Oxygen Index	27	%	ASTM D2863
Additional Information	**Nominal Value**		
Dimensional Stability	51.0		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	90.0 to 100	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	70.0 to 100	°C	
Injection Rate	Moderate		
NOTE			
1.	60 MPa		
2.	20,000 hr		

Recommended distributors for this material

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