

Latiblend 6252 H2 G/30

Polyamide + PP

LATI S.p.A.

Message:

Compound based on Polyamide 6 (PA 6)/Polypropylene homopolymer (PPh).

Heat stabilised. Glass fibres. Product UL certified.

Good thermal resistance.

General Information			
UL YellowCard	E54080-243957		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
	Medium Heat Resistance		

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	0.80 to 1.1	%	
Flow : 2.00 mm	0.35 to 0.50	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	9400	MPa	
60°C	6400	MPa	
90°C	4700	MPa	
120°C	3100	MPa	
150°C	2100	MPa	
Tensile Stress			ISO 527-2/5
Yield, 60°C	80.0	MPa	
Yield, 90°C	55.0	MPa	
Yield, 120°C	40.0	MPa	
Yield, 150°C	30.0	MPa	
Break, 23°C	125	MPa	
Break, 60°C	80.0	MPa	
Break, 90°C	55.0	MPa	
Break, 120°C	40.0	MPa	
Break, 150°C	25.0	MPa	
Tensile Strain			ISO 527-2/5
Yield, 60°C	4.0	%	
Yield, 90°C	5.0	%	

Yield, 120°C	6.0	%	
Yield, 150°C	7.0	%	
Break, 23°C	2.7	%	
Break, 60°C	4.6	%	
Break, 90°C	6.0	%	
Break, 120°C	7.0	%	
Break, 150°C	8.0	%	
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	55	kJ/m ²	
23°C	55	kJ/m ²	
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	195	°C	ISO 75-2/B
1.8 MPa, Unannealed	160	°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)	8.0E-6	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 250	°C	
Mold Temperature	70.0 to 80.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

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