

# HAIPLEN H30 G2 BA

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H30 G2 BA is a Polypropylene Homopolymer (PP Homopolymer) product filled with 10% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Flame Rated
- Chemically Coupled
- Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Chemically Coupled		
	Homopolymer		
	Medium Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.90 to 1.1	%	
Flow	0.50 to 0.80	%	
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	40.0	MPa	ISO 527-2/50
Tensile Strain (Break)	15	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	3500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	115	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	115	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.60 mm	HB		
3.20 mm	HB		
Oxygen Index	21	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature - Pre-heater	70.0 to 80.0	°C	
Drying Time - Pre-heater	1.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		

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