

HAIPLEN H30 G8 BA

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H30 G8 BA is a Polypropylene Homopolymer (PP Homopolymer) product filled with 40% 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,40% 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	1.21	g/cm ³	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	0.60 to 0.80	%	
Flow	0.20 to 0.40	%	
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	77.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus ¹	6800	MPa	ISO 178
Flexural Stress ²	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	140	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	HB	UL 94
Oxygen Index	20	% 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	
2.	1.0 mm/min	

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