

HAIPLEN H120 C6

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H120 C6 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 30% calcium carbonate. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Flame Rated
- High Flow
- Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,30% Filler by Weight		
Features	High Flow		
	Homopolymer		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.1	%	
Flow	1.1	%	
Granule Humidity ¹	0.050	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus ²	2300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating (3.20 mm)	HB	UL 94
Oxygen Index	21	% ASTM D2863
Injection	Nominal Value	Unit
Drying Temperature - Pre-heater	80.0 to 100	°C
Drying Time - Pre-heater	1.0	hr
Processing (Melt) Temp	190 to 220	°C
Mold Temperature	50.0 to 70.0	°C
Injection Rate	Fast	
NOTE		
1.	TARO 002	
2.	1.0 mm/min	

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