

HAIPLEN H50 T5

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H50 T5 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 25% talc. It can be processed by injection molding and is available in Europe.
Characteristics include:
Flame Rated
High Stiffness
Homopolymer

General Information			
Filler / Reinforcement	Talc,25% Filler by Weight		
Features	High Stiffness		
	Homopolymer		
	Medium Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07 to 1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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 Modulus	2700	MPa	ISO 527-2/1
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus ²	2600	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	75.0	°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	70.0 to 80.0	°C	
Drying Time - Pre-heater	1.0	hr	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Fast		
NOTE			
1.	TARO 002		
2.	1.0 mm/min		

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