

HAIPLEN H50 C10

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

HAIPLEN H50 C10 is a Polypropylene Homopolymer (PP Homopolymer) product filled with 50% calcium carbonate. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Homopolymer

General Information			
Filler / Reinforcement	Calcium Carbonate,50% Filler by Weight		
Features	Homopolymer		
	Medium Flow		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	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	0.70	%	
Flow	0.70	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break)	15	%	ISO 527-2/50
Flexural Modulus ¹	2700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (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
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

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	60.0 to 80.0	°C
Injection Rate	Fast	

NOTE

1. 1.0 mm/min

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