

HAIPLEN H50 C8

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer calcium carbonate filled 40%, good surface finish and mechanical properties.
Available: all colors, UV stabilized (L), heat stabilized (H), anti-static (W), detergent stabilized (D).

General Information			
Filler / Reinforcement	Calcium Carbonate,41% Filler by Weight		
Additive	Antistatic		
	Heat Stabilizer		
	UV Stabilizer		
Features	Antistatic		
	Detergent Resistant		
	Good Surface Finish		
	Good UV Resistance		
	Heat Stabilized		
	Homopolymer		
	Laser Markable		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24 to 1.26	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.80	%	
Across Flow	0.80	%	
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	2500	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	30	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648, ISO 75-2/A

Vicat Softening Temperature			
--	155	°C	ASTM D1525, ISO 306/A 2 ¹
--	100	°C	ASTM D1525, ISO 306/B 3 ²
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	190 to 220	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Fast		
NOTE			
1.	Loading 1 (10 N)		
2.	Loading 2 (50 N)		

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