

HAIPLEN H50 C6

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer calcium carbonate filled 30%, good surface finish and mechanical properties.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D)

General Information			
Filler / Reinforcement	Calcium carbonate filler, 30% filler by weight		
Additive	heat stabilizer		
	UV stabilizer		
Features	Laser marking		
	Homopolymer		
	Good UV resistance		
	Detergent resistance		
	Thermal Stability		
	Excellent appearance		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	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	1.1	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Granule Humidity	0.0500		Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	35	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	125	°C	ASTM D648, ISO 75-2/B
1.8 MPa, not annealed	65.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			

--	155	°C	ASTM D1525, ISO 306/A50 2 ¹
--	90.0	°C	ASTM D1525, ISO 306/B50 3 ²
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
Additional Information			
Reinforcing Charges, ASTM D258, 550°C, 1h: 30 %			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 220	°C	
Mold Temperature	40.0 - 60.0	°C	
Injection Rate	Fast		
NOTE			
1.	速率 A (50°C/h), 压 力1 (10N)		
2.	速率 A (50°C/h), 载荷2 (50N)		

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