

HAIPLEN H50 C4

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer calcium carbonate filled 20%, medium viscosity, good surface appearance.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D).

General Information			
Filler / Reinforcement	Calcium carbonate filler, 20% filler by weight		
Additive	heat stabilizer		
	UV stabilizer		
Features	Laser marking		
	Homopolymer		
	Good UV resistance		
	Detergent resistance		
	Thermal Stability		
	Excellent appearance		
	Medium viscosity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	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
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	35	%	ASTM D638, ISO 527-2
Flexural Modulus	2600	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)	67.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ASTM D1525, ISO 306/A 21

--	90.0	°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
Additional Information			
Reinforcing Charges, ASTM D258, 550°C, 1h: 20 %			
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 80.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	190 - 220	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
NOTE			
1.	压 力1 (10N)		
2.	载荷2 (50N)		

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