

# HAIPLEN EP50 C2

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

HAIPLEN EP50 C2 is a Polypropylene Copolymer (PP Copolymer) product filled with 10% calcium carbonate. It can be processed by injection molding and is available in Europe.  
Characteristics include:  
Flame Rated  
Copolymer  
Good Aesthetics

General Information			
Filler / Reinforcement	Calcium Carbonate,10% Filler by Weight		
Features	Copolymer		
	Good Surface Finish		
	Medium Flow		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.2	%	
Flow	1.2	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	75.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
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	Moderate-Fast	
NOTE		
1.	1.0 mm/min	

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#### Recommended distributors for this material

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