

HAIPLEN EP150 C4

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

HAIPLEN EP150 C4 is a Polypropylene Copolymer (PP Copolymer) product filled with 20% calcium carbonate. It can be processed by injection molding and is available in Europe.

Characteristics include:

- Flame Rated
- Copolymer
- Good Aesthetics
- High Flow

General Information			
Filler / Reinforcement	Calcium Carbonate,20% Filler by Weight		
Features	Copolymer		
	Good Surface Finish		
	High Flow		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	1.1	%	
Flow	1.1	%	
Granule Humidity ¹	0.050	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	12	%	ISO 527-2/50
Flexural Modulus ²	1650	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	62.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	80.0	°C	ISO 306/B50

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
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		
NOTE			
1.	TARO 002		
2.	1.0 mm/min		

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