

HAIPLEN EP30 G6 BA

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

HAIPLEN EP30 G6 BA is a Polypropylene Copolymer (PP Copolymer) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe.
Characteristics include:
Flame Rated
Chemically Coupled
Copolymer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
	Medium Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.70 to 0.90	%	
Flow	0.30 to 0.50	%	
Water Absorption (23°C, 24 hr)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	4800	MPa	ISO 178
Flexural Stress ²	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method

Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Oxygen Index	20	%	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	210 to 240	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		

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