

HAIPLEN EP10 G6 BA

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer 30% glass fibres reinforced chemically coupled, medium low flow.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Copolymer		
	Chemical coupling		
	Medium liquidity		
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)	3.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.70 - 0.90	%	Internal method
Flow direction	0.20 - 0.40	%	Internal method
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4900	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Flexural Modulus ¹	4700	MPa	ISO 178
Flexural Stress ²	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	127	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	120	°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 (1.60 mm)	HB		UL 94
Oxygen Index	20	%	ASTM D2863
Additional Information	Nominal Value	Unit	Test Method

Reinforcement Content ³ (600°C)	30	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	40.0 - 60.0	°C	
Injection Rate	Moderate		
Injection instructions			
Pre-heat Temperature: 70 to 80°CPre-heat Time: 3 hr			
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	1 hr		

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