

HAIPLEN H30 G4

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer glass fiber reinforced 20%.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D).

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Detergent Resistant		
	Good UV Resistance		
	Heat Stabilized		
	Homopolymer		
	Laser Markable		
Forms	Pellets		
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)	5.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.30 to 0.60	%	
Across Flow	0.80 to 0.90	%	
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	40.0	MPa	ASTM D638
Yield	40.0	MPa	ISO 527-2
Tensile Elongation (Break)	10	%	ASTM D638, ISO 527-2
Flexural Modulus	4000	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	155	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	155	°C	ASTM D1525, ISO 306/A 3 ²
--	115	°C	ASTM D1525, ISO 306/B 4 ³

Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (3.20 mm)	650	°C	IEC 60695-2-12
Oxygen Index	21	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Type I		
2.	Loading 1 (10 N)		
3.	Loading 2 (50 N)		

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