

HAIPLEN H30 G3

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer glass fiber reinforced 15%.
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D).

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
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	1.00	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.50 to 0.70	%	
Across Flow	0.60 to 0.80	%	
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	35.0	MPa	ASTM D638
Yield	35.0	MPa	ISO 527-2
Tensile Elongation (Break)	10	%	ASTM D638, ISO 527-2
Flexural Modulus	3000	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
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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