

HAIPLEN H30 K6

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 30% glass beads
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D), with release agent (W).

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	Heat Stabilizer		
	Mold Release		
	UV Stabilizer		
Features	Detergent Resistant		
	Good Mold Release		
	Good UV Resistance		
	Heat Stabilized		
	Homopolymer		
	Laser Markable		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	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	0.30 to 0.60	%	
Across Flow	0.30 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	28.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	2500	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	28	kJ/m ²	ASTM D256, ISO 179
Notched Izod Impact	50	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			

--	150	°C	ASTM D1525, ISO 306/A 2 ¹
--	94.0	°C	ASTM D1525, ISO 306/B 3 ²
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Loading 1 (10 N)		
2.	Loading 2 (50 N)		

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