

HAIPLEN H30 K6 BA X0

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 30% glass beads reinforced chemical coupled self extinguishing V0.
UL94 V0 - all colors - 1,5 mm
Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D).

General Information			
UL YellowCard	E143048-473671		
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Chemically Coupled		
	Detergent Resistant		
	Good UV Resistance		
	Heat Stabilized		
	Homopolymer		
	Laser Markable		
	Self Extinguishing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	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	0.25 to 0.35	%	
Across Flow	0.25 to 0.35	%	
Water Absorption			
23°C, 24 hr	0.050	%	ASTM D570, ISO 62
Saturation	0.15	%	ASTM D570
Saturation, 23°C	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	4.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3200	MPa	ASTM D790, ISO 178
Flexural Stress			
-- 1	40.0	MPa	ISO 178

Yield	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	155	°C	ASTM D1525, ISO 306/A 4 ²
--	125	°C	ASTM D1525, ISO 306/B 5 ³
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.20 mm	V-0		
Glow Wire Flammability Index (3.20 mm)	850	°C	IEC 60695-2-12
Oxygen Index	27	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	200 to 220	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate		
NOTE			
1.	Yield		
2.	Loading 1 (10 N)		
3.	Loading 2 (50 N)		

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