

PRODUCT INFORMATION

HAIPLEN H30 G4 BA Y0

Polypropylene homopolymer, 20% glass fibre reinforced, chemically coupled, flame retardant V0 halogen free, good mechanical properties.

Form Pellets

Key Features

- Halogen free
- Flame retardant

Availability

- LP: laser printable
- L: UV stabilized
- H: heat stabilized
- D: detergent stabilized
- All colours

Process

- INJECTION MOULDING

Property	Method	Unit	Value	Condition	State
ELECTRICAL					
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	> 600		
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm ³	1,17		
Water Absorption (24h / +23°C)	ISO 62	%	0,05		
Water Absorption at Saturation	ISO 62	%	0,15		
Mould Shrinkage (Parallel)	Internal method	%	0,25 - 0,40		
Mould Shrinkage (Normal)	Internal method	%	0,40 - 0,60		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	6	230°C - 2,16 kg	
MECHANICAL					
Tensile Modulus	ISO 527-1,2	MPa	5000		
Elongation at Break	ISO 527-1,2	%	3		
Tensile Break Strength	ISO 527-1,2	MPa	50		
Flexural Modulus	ISO 178	MPa	4500		

The listed data are in the normal range of product properties, they should not be used to establish specification nor as the basis of design. Values are valid for natural coloured version only.

TARO PLAST S.p.A. reserved information. The data here listed has been determined using injection moulded specimens according to the TARO_019 method.

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Flexural Break Strength	ISO 178	MPa	80
IZOD Notched Impact (+23°C)	ASTM D256	J/m	68
CHARPY Notched Impact (+23°C)	ISO 179/1eA	kJ/m ²	7,3
CHARPY Unnotched Impact (+23°C)	ISO 179/1eU	kJ/m ²	32

THERMAL

Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	127
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	145
Ball Pressure Test	IEC 60695-10-2	°C	125

FLAMMABILITY

Flame Behaviour (1,6 mm)	UL94	Class	V0
Flame Behaviour (3,2 mm)	UL94	Class	V0
Glow Wire Flammability Index-GWFI (1,6 mm)	IEC 60695-2-12	°C	960

INJECTION MOULDING

Value

Pre heating Temperature	70 - 90°C / 3 h
Melt Temperature	200 - 220°C
Mould	40 - 60°C
Injection Rate	MEDIUM

Notes

It is normally not necessary to dry HAIPLLEN compounds, however should there be surface moisture (condensate) on the moulding compound as a result of incorrect storage, drying process is required. HAIPLLEN must be stored indoors at a temperature below 40°C avoiding humidity and direct sunlight as well. HAIPLLEN can be processed on a standard injection moulding unit. A general purpose metering screw is recommended with a zone distribution of 40% feed, 40% transition and 20% metering. When the heating cylinder is completely purged of HAIPLLEN material the machine may be shut down.

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