

PRODUCT INFORMATION

HAIPLEN HEP50 G6 X0

Polypropylene 30% glass fibre reinforced, chemically coupled, self extinguishing V0 at 3 mm thickness, with very good mechanical properties.

Form Pellets

Key Features

- High mechanical properties
- Good impact - stiffness balance
- Flame retardant

Availability

- Various colours
- L: UV stabilized
- H: heat stabilized

Process

- INJECTION MOULDING

Application

- Chair frames

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	1,44 - 1,46		
Reinforcing Charges	ISO 3451	%	30	550°C - 1 h	
Water Absorption at Saturation	ISO 62	%	0,02		
Mould Shrinkage (Parallel)	Internal method	%	0,1 - 0,5		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	8	230°C - 2,16 kg	
MECHANICAL					
Elongation at Break	ISO 527-1,2	%	1,8		
Flexural Modulus	ISO 178	MPa	6500		
Flexural Break Strength	ISO 178	MPa	100		
IZOD Notched Impact (+23°C)	ASTM D256	J/m	85		
IZOD Notched Impact (0°C)	ASTM D256	J/m	50		

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.

This certificate has been produced electronically and is therefore not signed.

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FLAMMABILITY

Flame Behaviour (1,6 mm)	UL94	Class	V2
Flame Behaviour (3,2 mm)	UL94	Class	V0
Glow Wire Flammability Index-GWFI (2 mm)	IEC 60695-2-12	°C	960
Glow Wire Ignition Temperature-GWIT (2 mm)	IEC 60695-2-13	°C	750

THERMAL

Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	110	50°/h
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	140	120°C / h

INJECTION MOULDING

Value

Pre heating Temperature	70 - 90 °C / 3 h
Drying Temperature	70 - 80 °C / 1 h
Melt Temperature	210 - 230 °C
Mould	40 - 70 °C
Injection Rate	MEDIUM - HIGH

Notes

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