DATA SHEET

HAIPLEN H30 G6 BA

Polypropylene homopolymer 30% glass fibres reinforced chemically coupled, medium flow, good mechanical properties.

Available: all colours, UV stabilized (L), heat stabilized (H), high heat ageing stability (HT), laser printable (LP), detergent stabilized (D).

	DRYING - conditions		
Pre-heater:	70 - 80°C / 1 h	**Melt temperature:**	220 - 250°C
Dryer:	-	**Mould temperature:**	50 - 70°C
		Rate of injection:	MEDIUM

PROPERTY	METHOD	unit	VALUE	condition
ELECTRICAL				
Tracking Resistance (CTI - Method A)	IEC 60112	Volt	***>600***	
Electric Strength	IEC 60243-1	kV/mm	***25***	
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133 - ASTM D1238	g/10 min	***6***	230°C - 2,16 kg
Reinforcing Charges	ISO 3451	%	***30***	600°C - 1 h
Density (23 °C)	ISO 1183	g/cm^3	***1,12***	
Water Absorption (24h / 23°C)	ISO 62	%	***0,2***	
Mould Shrinkage (Parallel)	Internal method	%	***0,2-0,4***	
Mould Shrinkage (Normal)	Internal method	%	***0,7-0,9***	
MECHANICAL				
IZOD Notched Impact	ASTM D256	J/m	***70***	-30°C
IZOD Notched Impact	ASTM D256	J/m	***130***	+23°C
Tensile Modulus	ISO 527-1,2	Mpa	***5900***	Speed 1 mm/min
Flexural Modulus	ISO 178	Mpa	***5800***	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	***4***	Speed 50 mm/min
Tensile Break Strength	ISO 527-1,2	Mpa	***92***	Speed 50 mm/min
CHARPY Notched Impact (+23°C)	ISO 179/1eA	kJ/m^2	***9***	
CHARPY Unnotched Impact (+23°C)	ISO 179/1eU	kJ/m^2	***45***	
FLAMMABILITY				
Oxigen index	ASTM D2863	%	***20***	
Flame Behaviour (1,6 mm)	UL94	Class	***HB***	
Burning Rate (US-FMVSS 302)	ISO 3795	mm/min	***< 100***	Thickness 2 mm
THERMAL				
Softening Temperature - 1 kg (VST/A/50)	ISO 306	°C	***155***	
Softening Temperature - 5 kg (VST/B/50)	ISO 306	°C	***135***	
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	***147***	
Ball Pressure Test	IEC 60695-10-2	°C	***125***	
Heat ageing resistance	Internal method	°C	***150***	1000 h (HT version)
Heat ageing resistance	Internal method	°C	***150***	300 h
Heat ageing resistance	Internal method	°C	***150***	700 h (H version)

These value are for natural color only. Colorant or other additives may alter some or all of these property. The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits nor used alone as the basis of design.