DATA SHEET

HAIPLEN H10 G6 BA

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

Available: all colours, UV stabilized (L), heat stabilized (H), 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***	
PHYSICAL				
Melt Flow Rate (MFR)	ISO 1133 - ASTM D1238	g/10 min	***3***	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	***130***	+23°C
Tensile Modulus	ISO 527-1,2	Mpa	***5600***	Speed 1 mm/min
Flexural Modulus	ISO 178	Mpa	***5400***	Speed 1 mm/min
Elongation at Break	ISO 527-1,2	%	***3,5***	Speed 50 mm/min
Flexural Break Strength	ISO 178	Mpa	***135***	Speed 1 mm/min
Tensile Break Strength	ISO 527-1,2	Mpa	***85***	Speed 50 mm/min
CHARPY Unnotched Impact (+23°C)	ISO 179/1eU	kJ/m^2	***70***	
Ball Indentation Hardness (H 358/30)	ISO 2039-1	Mpa	***106***	
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	***134***	
Deflection Temperature 1,80 MPa (HDT A)	ISO 75A	°C	***148***	
Deflection Temperature 0,45 MPa (HDT B)	ISO 75B	°C	***156***	

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.