



DATA SHEET

HAIPLEN H50 T4 X0

Polypropylene homopolymer talcum filled 20% self extinguishing UL94 V0, good flow and mechanical properties.

UL94 V0 - all colors - 1,5 mm

Available: all colors, UV stabilized (L), heat stabilized (H), laser printable (LP), detergent stabilized(D)

DRYING - conditions		Melt temperature:	190-210°C
Pre-heater:	70-90°C x 3 h	Mould temperature:	40-60°C
Dryer:		Rate of injection:	MEDIUM

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
ELECTRICAL							
Tracking Resistance (CTI - Method A)	IEC 112				Volt	450	
PHYSICAL							
Melt Flow Index		5373	R292	D123	g/10'	12	230°C 2160gr
Density (23 °C)		5347	R118	D792	Mg/m ³	1,33	
Water Absorption (24h / 23°C)		5349	R62	D570	%	0,05	
Mould Shrinkage (Parallel)				D955	%	1,1	
Mould Shrinkage (Normal)				D955	%	1,1	
Melting Point			R121	D211	°C	165	
MECHANICAL							
IZOD Notched Impact		-	180	D256	J/m	40	
Flexural Modulus		5345	R178	D790	N/mm ²	2000	
Elongation at Break		5345	R527	D638	%	10	
Tensile Yield Strength		5345	R527	D638	N/mm ²	25	
FLAMMABILITY							
Oxigen index				D286	%	30	
Flame Behaviour (3,2 mm)	UL 94					V0	
Flame Behaviour (1,5 mm)	UL 94					V0	
Flame Behaviour (0,75 mm)	UL 94					V2	
Needle flame test(3,2 mm)	VDE 0471					PASSED	
Needle flame test(1,6 mm)	VDE 0471					PASSED	
Glow Wire Flammability Index - GWFI	IEC 60695-2				°C	960	
Glow Wire Ignition Temperature - GWIT	IEC 60695-2				°C mm	775	3,0 mm
THERMAL							
VICAT Temperature (1 kg)		5346	R306	D152	°C	155	
VICAT Temperature (5 kg)		5346	R306	D152	°C	95	
Heat Deflection Temperature (1,82 N/mm ²)		5346	R75	D648	°C	100	
Ball Pressure Test	VDE 0470				°C	125	
Heat Deflection Temperature (0,45 N/mm ²)		5346	R75	D648	°C	130	

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.