



**DATA SHEET**

**HAIPLLEN EP50 T8**

Polypropylene copolymer talcum filled 40%.

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

<b>Pre-heater:</b>	<b>DRYING - conditions</b> 70-80°C - 1h	<b>Melt temperature:</b>	200-220°C
<b>Dryer:</b>		<b>Mould temperature:</b>	30-50°C
		<b>Rate of injection:</b>	MEDIUM

PROPERTY	METHOD	DIN	ISO	ASTM	unit	VALUE	condition
<b>ELECTRICAL</b>							
Tracking Resistance ( CTI - Method A )	IEC 112				Volt	<b>&gt;600</b>	
<b>PHYSICAL</b>							
Melt Flow Index		5373	R292	D123	g/10'	<b>10</b>	230°C - 2160 gr
Density ( 23 °C )		5347	R118	D792	Mg/m <sup>3</sup>	<b>1,24</b>	
Water Absorption ( 24h / 23°C )		5349	R62	D570	%	<b>0,05</b>	
Mould Shrinkage (Parallel)				D955	%	<b>0,9</b>	
Mould Shrinkage (Normal)				D955	%	<b>0,9</b>	
<b>MECHANICAL</b>							
IZOD Notched Impact		-	180	D256	J/m	<b>40</b>	+0°C
IZOD Notched Impact		-	180	D256	J/m	<b>50</b>	+23°C
IZOD Notched Impact		-	180	D256	J/m	<b>30</b>	-20°C
Flexural Modulus		5345	R178	D790	N/mm <sup>2</sup>	<b>2800</b>	
Elongation at Break		5345	R527	D638	%	<b>25</b>	
Tensile Yield Strength		5345	R527	D638	N/mm <sup>2</sup>	<b>35</b>	
<b>FLAMMABILITY</b>							
Flame Behaviour ( 1,6 mm )	UL 94					<b>HB</b>	
Glow Wire Test ( 1,6 mm )	IEC 695-2-1				°C	<b>650</b>	
<b>THERMAL</b>							
VICAT Temperature ( 1 kg )		5346	R306	D152	°C	<b>152</b>	
VICAT Temperature ( 5 kg )		5346	R306	D152	°C	<b>85</b>	
Heat Deflection Temperature ( 1,82 N/mm <sup>2</sup> )		5346	R75	D648	°C	<b>60</b>	
Ball Pressure Test	VDE 0470				°C	<b>125</b>	
Coefficient of linear thermal expansion		5375		D696	K <sup>-1</sup>	<b>6X10exp(-5)</b>	
Heat Deflection Temperature ( 0,45 N/mm <sup>2</sup> )		5346	R75	D648	°C	<b>135</b>	

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.