



TECHNICAL DATA SHEET



PermaPaper® Flex HT (For Flexographic)

Synthetic Paper High Tear Resistance Matte Both Side Coated

DESCRIPTION

It is a co-extruded, white opaque, both sides matte polypropylene based film which resembles paper in appearance

FEATURES

- Non-tearable
- High tear resistance
- Dimensionally stable
- Excellent printability
- Printable on both side by UV offset, water and UV flexo, and thermal transfer printing processes.
- Die-punched, and perforated

APPLICATIONS

Durable Tags and Labels – Garment hang tags, horticulture identification tags, Tree tags, cattle identification tags, Airport transfer tag, etc.

Properties	Ref.	Units	ASTM#/Test Method	PermaPaper® Flex HT			
Physical Data							
Average Thickness		Micron	D-374-C	125	150	200	250
		Gauge		500	600	800	1000
		Mills		5.0	6.0	8.0	10.0
Average Substance		g/m ²		125.5	145.5	197.5	246.0
Thickness Variation		% (+)		5			
Surface Tension (min)	Both Side	dynes/cm	D-2578	38			
Yield		m ² /Kg	D-4321	8.0	6.9	5.1	4.1
		in ² /lb		5602	4832	3560	2858
Optical Data							
Gloss (45°)		gardner	D-2457	5.0 - 7.0			
Opacity		%	HunterLab D25-2CR	> 83			
Whiteness Index		%	E-313	> 85			
Mechanical Data							
Tensile Strength	MD	kg/cm ²	D-882	230 - 300			
	TD			120 - 220			
Elongation	MD	%	D-882	> 500			
	TD			> 500			
Initial Tear Strength	MD	kgf	CTM	3.0 - 3.5	3.5 - 4.0	4.5 - 5.0	5.5 - 6.5
	TD			3.5 - 4.0	4.5 - 5.0	5.5 - 6.0	7.5 - 7.5

TM : Test Method

MD : Machine Direction

TD : Transverse Direction

Disclaimer : The information provided above is based on PermaPapers conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications. Storage condition: Maintain room temperature in between 20 - 25 °C & relative humidity 40 - 55 %.