



**TECHNICAL
DATA
SHEET**

PermaPaper® Classic (For Laser Dry Toner)

Synthetic Paper High Tear Resistance, Matte, Both Side Coated

DESCRIPTION

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

FEATURES

- Non-tearable
- Moisture resistance
- Dimensionally stable
- Excellent printability
- Superior tensile and tear strength
- Writeable with pencils and oil-based pens
- Printable on both side by conventional and UV offset, water and UV flexo, letterpress, screen, thermal transfer and Suitable for dry toner printing (electrophotography)
- Certified for HP Indigo presses - multi-shot mode & one shot mode
- Can be folded, sheeted, stapled, hot foil stamped, die-punched, serrated, perforated (for perforation always keep
- Tie length ≤ 0.5 mm & edges of perforated sheet or label should be cut)

APPLICATIONS

Durable Tags and Labels – Garment hang tags, horticulture identification tags, Tree tags, cattle identification tags, Food & Pharma packaging labels, electronic appliances labels, chemical drum labels, paint & other container labels, construction site stickers, warning labels, track & trace labels, Airport transfer tag, etc.

TYPICAL VALUES

Properties	Ref.	Units	ASTM#/Test Method	PermaPaper® Classic							
Physical Data											
Average Thickness		micron	D-374-C	125	150	200	280				360
		Gauge		500	600	800	1120				1440
		Mills		4.9	6.0	7.9	11.0				14.2
Average Substance		g/m ²		129.5	163.7	227.1	324.9				422.7
Thickness Variation		% (+)		5							
Surface Tension (min)	Both Side	dynes/cm	D-2578	38							
Yield		m ² /Kg	D-4321	7.7	6.1	4.4	3.0				2.3
		in ² /lb		6475	4605	3845	3339				1617
Optical Data											
Gloss (45°)		gardner	D-2457	6.0 - 7.0							
Opacity		%	HunterLab D25-2CR	> 85							
Whiteness Index		%	E-313	> 85							
Mechanical Data											
Tensile Strength	MD	kg/cm ²	D-882	1000 - 1200							
	TD			1700 - 1900							
Elongation	MD	%	D-882	180 - 220							
	TD			40 - 60							
Initial Tear Resistance	MD	kgf	CTM	> 3.0	> 4.5	> 5.0	> 6.0				> 6.0
	TD			> 3.5	> 5.0	> 6.0	> 7.0				> 7.0

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 %.