

DRY TONER · FORMERLY DIGI CLASSIC

DigiCore

Synthetic paper for laser dry toner. High tear resistance, matte, both sides coated.

DESCRIPTION

A co-extruded, high-white, opaque polypropylene-based film, matte coated on both sides, which resembles paper in appearance.

APPLICATIONS

Durable tags and labels. Garment hang tags · horticulture identification tags · tree tags · cattle identification tags · food and pharma packaging labels · electronic appliance labels · chemical drum labels · paint and other container labels · construction site stickers · warning labels · track and trace labels · airport transfer tags.

FEATURES

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

TYPICAL VALUES

MD machine direction · TD transverse direction · CTM company test method

Property	Unit	ASTM / method	125	150	200	280	360
PHYSICAL							
Average thickness	mic	D-374-C	125	150	200	280	360
Gauge			500	600	800	1120	1440
Mils			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 sides	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							
Gloss (45°)	Gardner	D-2457			6.0 - 7.0		
Opacity	%	HunterLab D25-2CR			> 85		
Whiteness index	%	E-313			> 85		
MECHANICAL							
Tensile strength · MD	kg/cm ²	D-882			1000 - 1200		
Tensile strength · TD	kg/cm ²	D-882			1700 - 1900		
Elongation · MD	%	D-882			180 - 220		
Elongation · TD	%	D-882			40 - 60		
Initial tear resistance · MD	kgf	CTM	> 3.0	> 4.5	> 5.0	> 6.0	> 6.0
Initial tear resistance · TD	kgf	CTM	> 3.5	> 5.0	> 6.0	> 7.0	> 7.0

Storage. Maintain room temperature between 20-25 °C and relative humidity 40-55%.

* Contact sales@permapaper.co.uk for more information.

Disclaimer. The information provided above is based on PermaPaper's 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.