PermaPaper®

TECHNICAL DATA SHEET

OFFSET LITHO · FORMERLY OL D/S COATED

Offset Coated

Synthetic paper for offset litho. Matte, both sides coated, roll and sheet form.

DESCRIPTION

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

FEATURES

- Non-tearable · moisture resistant
- Dimensionally stable
- Excellent printability
- Recyclable
- Writeable with pencils and oil-based pens
- Printable on both sides by conventional and UV offset, water and UV flexo, letterpress, screen, HP Latex and thermal transfer
- Can be folded, sheeted, stapled, hot foil stamped, die-punched, serrated, adhesive bonded and perforated. For perforation, keep tie length ≤ 0.5 mm and cut portion ≥ 2 mm

APPLICATIONS

Commercial printing. Maps · calendars · brochures · menu cards · flip charts · children's books

Tags and labels. Garment hang tags · horticulture identification tags · tree tags · cattle identification tags · baggage tags · glass bottle labels · food and pharma packaging labels

Retail and packaging. POP graphics · posters · danglers · indoor billboards · banners · backlit displays

Identification and credentials. Visiting cards · identity cards · mark sheets and certificates · legal documents

Outdoor. Outdoor billboards · frontlit and backlit displays · train station and airport signage

TYPICAL VALUES

MD machine direction · TD transverse direction

Property	Unit	Method	152	205	254	305	356	406	457	510
PHYSICAL										
Average thickness	mic	D-374-C	152	205	254	305	356	406	457	510
Mils			6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0
Gauge			608	820	1016	1220	1424	1624	1828	2040
Average substance	g/m²		108.5	152.5	182.5	210.5	242.5	286.5	321.5	344.5
Thickness variation	% (+)					5				
Yield	m²/kg	D-4321	9.21	6.55	5.47	4.75	4.12	3.49	3.11	2.90
	in²/lb		6475	4605	3845	3339	2896	2453	2186	2039
OPTICAL										
Gloss (45°), both sides	Gardner	D-2457				5.0 – 7.0				
Opacity	%	HunterLab D25-2CR				> 90				
Whiteness index	%	E-313				> 90				
MECHANICAL										
Tensile strength · MD	kg/cm²	D-882				550 – 650				
Tensile strength · TD	kg/cm²	D-882				1100 – 1300				
Elongation · MD	%	D-882				130 – 180				
Elongation · TD	%	D-882				20 – 40				

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

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.

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