

# Synthetic Paper

## Matte, Both Side Coated, Roll/Sheet Form

### Typical Values

#### Description

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

#### Features

- Non – tearable
- Moisture resistance
- Oil and chemical resistance
- Dimensionally stable
- Excellent printability
- Excellent folding endurance
- Recyclable
- Superior tensile and tear strength
- Writeable with pencils and oil-based pens
- Printable both sides by conventional and UV offset , water and UV flexo, letterpress, screen, thermal transfer and digital (on selected toner technologies)
- Can be folded, sheeted, stapled, hot foil stamped, die – punched, serrated and adhesive bonded

#### Applications

- Commercial Printing – maps, calendars, brochures, Menu cards , flip charts, children books
- Tags and Labels – garment tags, baggage tags, Glass bottle labels, food labels, horticulture labels
- Retail & Packaging – POP graphics, posters, danglers, indoor billboards, banners, backlit displays
- Identification & Credentials – visiting cards, identity Cards, marksheets & certificates, legal documents
- Outdoor – outdoor billboards, frontlit & backlit Displays, train station & airport signages

Properties	Ref.	Units	Astm # / Test Method	CSPR-2 (M) BTC / CSPS-2 (M) BTC									
<b>Physical Data</b>													
Average Thickness		micron		95	125	150	175	200	230	275	330	380	435
		Gauge	D-374-C	380	500	600	700	800	920	1100	1320	1520	1740
		Mills		3.8	5.0	6.0	7.0	8.0	9.2	11.0	13.2	15.2	17.4
Average Substance		g/m <sup>2</sup>		59.6	81.3	96.6	110.6	132.7	148.0	186.7	221.7	251.4	288.7
Thickness Variation		% (±)		5									
Surface Tension (min)	Both Side	dynes/cm	D-2578	>38									
Yield		m <sup>2</sup> /Kg	D-4321	16.7	12.3	10.3	9.0	7.5	6.7	5.3	4.5	4.0	3.4
<b>Optical Data</b>													
Gloss (45 °)		gardner	D-2457	6.1 - 6.7									
Opacity		%	Hunter Lab D25 - 2CR	> 90					> 95				
Whiteness Index		%	E-313	> 90									
<b>Mechanical Data</b>													
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	550 - 600					600 - 650				
	TD			1100 - 1200					1200 -1300				

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

**Disclaimer :** The information provided above is based on COSMO FILMS LTD'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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