COSMO FILMS

Synthetic Paper
Matte, Top Coated, Roll/Sheet Form

COSMOPHANE™ Technical Data Sheet

Description

It is a co-extruded , white opaque , one side 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 on top coated side 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

Typical Values

Properties	Ref.	Units	Astm # / Test Method	CSPR-2 (M) TC / CSPS-2 (M) TC										
Physical Data														
Average Thickness		micron	D-374-C	75	95	120	150	170	190	210	275	330	370	425
		Gauge		300	380	480	600	680	760	840	1100	1320	1480	1700
		Mills		3.0	3.8	4.8	6.0	6.8	7.6	8.4	11.0	13.2	14.8	17.0
Average Substance		g/m^2		50.5	63.4	85.2	101.0	115.0	132.2	146.7	185.7	223.0	251.2	288.4
Thickness Variation		% (±)		5										
Surface Tension (min)	Both Side	dynes/cm	D-2578	>38										
Yield		m^2/Kg	D-4321	19.8	15.7	11.7	9.9	8.7	7.5	6.8	5.3	4.4	4.0	3.4
Optical Data														
Gloss (45 °)		gardner	D-2457	6.1 - 6.6										
Opacity		%	Hunter Lab D25 - 2CR	> 90					> 95					
Whiteness Index		%	E-313	> 90										
Mechanical Data														
Tensile Strength	MD	kg/cm^2	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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