

Synthetic Paper

High Tear Resistance, Matte, Both Side Coated, Roll/Sheet Form

CSPR-2/CSPS-2 (M) HR BTC

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
- High tear resistance
- 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 powder toner printing (electrophotography)
- 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.

Properties	Ref.	Units	ASTM # / Test Method	CSPR/CSPS -2 (M) HR BTC						
Physical Data										
Average Thickness		micron	D-374-C	125	150	200	280	305	335	360
		Gauge		500	600	800	1120	1220	1340	1440
		Mills		4.9	5.9	7.9	11.0	12.0	13.2	14.2
Average Substance		g/m ²		129.5	163.7	227.1	324.9	371.2	396.9	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	2.7	2.5	2.3
		in ² /lb		5413	4288	3093	2109	1898	1757	1617
Optical Data										
Gloss (45°)		gardner	D-2457	5.0 - 7.0						
Opacity		%	Hunter Lab 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	> 6.0	> 6.0
	TD			> 3.5	> 5.0	> 6.0	> 7.0	> 7.0	> 7.0	> 7.0

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.

Storage condition: Maintain room temperature in between 20 - 25 °C & relative humidity 40 - 55 %.

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