

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

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

### 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, HP Indigo, HP latex, UV Inkjet, Conventional/UV offset, water and UV flexo, letterpress, screen, and thermal transfer
- Suitable for powder toner printing (electrophotography)
- Can be folded, sheeted, stapled, hot foil stamped, die – punched, serrated, perforated (for perforation always keep tie length  $\leq 0.5$  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.

### Typical values

Properties	Ref.	Units	ASTM#/ Test Method	CSPR/CSPS-2(M) HR BTC				
<b>Physical Data</b>								
Average Thickness		Micron	D-374-C	200	230	280	335	360
		Gauge		800	920	1120	1340	1440
		Mils		8.0	9.2	11.2	13.4	14.4
Average substance		g/m <sup>2</sup>		227.1	250.94	324.9	396.9	422.7
Thickness Variation		%( $\pm$ )		5				
Surface Tension(min)	Both Side	dynes/cm	D-2578	38				
Yield		m <sup>2</sup> /Kg	D-4321	4.4	4.0	3.1	2.5	2.4
		in <sup>2</sup> /lb		3096	2802	2164	1771	1663
<b>Optical Data</b>								
Gloss (45°)		Gardner	D-2457	5.0-7.0				
Whiteness Index		%	E-313	>85				
<b>Mechanical Data</b>								
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1000-1200				
	TD			1700-1900				
Elongation	MD	%	D-882	180-220				
	TD			40-60				
Initial Tear Strength	MD	kgf	CTM	>5.0	>5.0	>6.0	>6.0	>6.0
	TD			>6.0	>6.0	>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 OC & relative humidity 40 - 55 %.

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