

# Velvet Touch Thermal Matte Film (BOPP Based)

## PCT-2(DL) VT-HS-M DIGITAL

### Description

It is BOPP based, one side velvet feel matte coated and other side extrusion coated, both sides treated thermal laminating film. Film has extrusion coated surface with low temp. melting resin, which enables the lamination of film to paper products by heat and pressure.

### Features

- Velvet feel
- Natural look lamination
- Good hot stamping & UV lacquer adhesion
- Fibre-tear bond strength with paper
- Improved scuff resistance

### Applications

- Thermal lamination with all kinds of printed, unprinted paper and paper boards like book covers, posters, magazines, diaries etc.  
This film is specifically recommended for premium laminating of user's manuals, novels, magazines, brochures etc.

### Special Instructions

- Cosmo BOPP based velvet touch thermal matte film can be laminated with the temperature range of 100 to 120 deg C. It is recommended, around 10 to 20 deg C higher lamination temperature than standard matte film due to higher thermal resistance of velvet surface .
- Similarly the lamination speed should be reduced by 30 to 40 % relative to standard matte film.
- Please make sure that the printed surface is well dried before lamination.
- Strongly recommend to handle with care and cleanliness as it may spoil it's look by rough handling, dust contamination and scratches.
- It is advisable to cool sufficiently one surface before proceeding the lamination to other surface.
- It is recommended to do the post lamination operation after 24 hrs.

### Typical Values

Properties	Units	ASTM # / Test Method	1.3 mils / 32 mic	1.4 mils / 36 mic
Unit Weight	g/m <sup>2</sup>		25.9	30.8
Yield	m <sup>2</sup> /kg	D - 4321	38.61	32.46
	in <sup>2</sup> /lb		27145	22821
Surface Tension (min.)- Ex-coated side Matte side	dynes/cm	D - 2578	38 50	
Gloss (45°) – Matte side	gardner	D - 2457	5 - 6	
Lamination Temp.	°C	D - 1204	100 - 120	
Lamination speed	(m/min) / (feet/min)	D - 1204	1-10 / 3 - 33	
Lamination bond strength with digital Konica Minolta Bizhub Press 1085 Prints	g/25mm	D-882	> 350	

Updated as on Oct-2025

**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.

### Cosmo Films

1st Floor, Uppal's Plaza, M-6 Jasola District Centre, New Delhi-110025, T: + 91-11-49 49 49 49,  
E-mail: sales.enquiry@cosmofilms.com | www.cosmofilms.com