

# Thermal Lamination Film Nylon Velvet

## LAY FLAT VELVET DIGITAL

### Description

It is Nylon 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

- Rich velvet feel
- Good resistance to Scuff
- Excellent lay flat property (prevent curl under humid conditions)
- Natural matte finish
- Good hot stamping & UV laquer adhesion
- Fibre-tear bond strength with paper

### Applications

- Thermal lamination with all kinds of printed & unprinted paper and paper boards like maps, menu cards, certificates, mark sheets, folders, photo albums, posters, magazines, brochures etc.

### Special Instructions

- Cosmo nylon based velvet touch thermal matte film can be laminated with the temperature range of 120 to 135 deg C. However the optimum conditions may be selected based on the lamination speed (Dwell time) and dimensional stability.
- 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.

### Typical Values

Properties	Units	ASTM # /Test Method	1.4 mils / 35 mic
Unit Weight	g/m <sup>2</sup>		33.8
Yield	m <sup>2</sup> /kg	D - 4321	29.58
	in <sup>2</sup> /lb		20796
Surface Tension (min.)- Ex-coated side Matte side	dynes/cm	D - 2578	36 50
Gloss (45°) – Matte side	gardner	D - 2457	5 - 6
Lamination Temp.	°C / °F	D - 1204	120 - 135 / 248 - 275
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

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