

# Thermal Lamination Film Nylon Scuff Free Matte DIGITAL

## LAY FLAT SCUFF RESISTANT MATTE

### Description

It is Nylon based, one side scuff resistant 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

- Excellent resistance to Scuff
- Natural look lamination
- Good hot stamping & UV lacquer adhesion
- Fiber-tear bond strength with paper

### Applications

- Thermal lamination with all kinds of printed & unprinted paper and paper boards like book covers, posters, magazines, Diaries etc.

### Special Instructions

- Cosmo nylon based scuff resistant thermal matte film can be laminated with the temperature range of 110 to 130 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
<b>Physical Data</b>			
Unit Weight	g/m <sup>2</sup>		31.2
Yield	m <sup>2</sup> /kg	ASTM D-4321	32.05
	in <sup>2</sup> /lb		22533
Surface Tension (min) – Ex-coated side / Matte Side	dynes/cm	ASTM D-2578	40 / 44
<b>Optical Data</b>			
Gloss (45 °) Matte side	gardner	ASTM D-2457	8 - 13
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 to the best of knowledge of COSMO FILMS LTD. The values provided are CFL laboratory test results, which are indicative only and provided for guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

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