

# Thermal Lamination Film Nylon

## 1.2 LAY FLAT GLOSS DIGITAL

### Description

It is Nylon based, one 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 lay flat property (prevent curl under humid conditions)
- glossy 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 thermal glossy film can be laminated with the temperature range of 110 to 125 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	1.2 mils / 30mic
Unit Weight	g/m <sup>2</sup>		28.2
Yield	m <sup>2</sup> /kg	D - 4321	35.46
	in <sup>2</sup> /lb		24930
Surface Tension (min.)- Ex-coated side	dynes/cm	D - 2578	40
Glossy side			38
Gloss (45°)-Glossy side (min)	gardner	D - 2457	60
Lamination Temp.	°C / °F	D - 1204	110 - 125 / 230 - 257
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

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.

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