

# Thermal Lamination Film

## BOPP Gloss

### Description

It is BOPP based, clear and both side 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 optical properties
- Excellent resistance to elongation & tear
- Yellow tint free appearance of roll
- Fibre-tear bond strength with paper

### Applications

- Thermal lamination with all kinds of printed & unprinted paper and paper boards like book covers, posters, magazines, diaries, cartons, manuals, photo albums etc.

### Special Instructions

- Cosmo thermal gloss film can be laminated with the temperature range of 100 to 120 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	18 PCT-2 (DL)	20 PCT-2 (DL)	22 PCT-2(DL)	24 PCT-2(DL)	25.5 PCT-2(DL)
Unit Weight	g/m <sup>2</sup>		16.5	18	20	22	23.4
Yield	m <sup>2</sup> /kg	D - 4321	60.6	55.5	50	45.4	42.7
Surface Tension (min.)- Ex-coated side	dynes/cm	D - 2578	40	40	40	42	42
Un-coated side			38	38	38	38	38
Gloss (min.) - Un-coated side 45°	gardner	D - 2457	>58	>58	>58	>58	>58
Lamination Temp.	°C	D - 1204	100 - 120	100 - 120	100 - 120	100 - 120	100 - 120

**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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