

# Thermal Lamination Film BOPP Gloss

## PCT-2(DL)

### 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 etc.

### Special Instruction

- 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	Ref.	Units	ASTM#/ Test Method	PCT-2(DL)					
<b>Physical Data</b>									
Average Thickness		Micron		18	20	22	24	25.5	33
Average substance		g/m <sup>2</sup>		16.5	18	20	22	23.4	29.6
Yield		m <sup>2</sup> /kg	D-4321	60.6	55.5	50.0	45.4	42.7	33.8
		in <sup>2</sup> /lb		42606	39020	35153	31919	30021	23763
Surface Tension(min)	Glossy	dynes/cm	D-2578	38	38	38	38	38	38
	Ex-coated Side			40	40	40	42	42	42
Thickness Variation		%(±)		5					
<b>Optical Data</b>									
Gloss (45°)	Glossy Side	Gardner	D-2457	>58					
Gloss (60°)	Uncoated Side	Gardner	D-2457	>95					
<b>Thermal Data</b>									
Lamination Temperature		°C	D-1204	100-120					
		°F		212-248					

**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

**Storage condition :** Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.