

**DESCRIPTION**

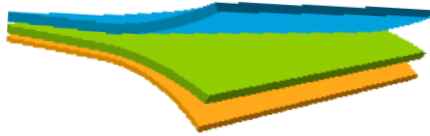
This clear BOPP thermal laminating film is treated on both sides. One side has a matte finish and is extrusion coated with low temperature melting resin on the other side which enables the lamination of film to other films and paper products by heat and pressure.

**FEATURES**

- Aesthetic matte finish
- Excellent resistance to elongation & tear
- Yellow tint free appearance of roll
- Fibre-tear bond strength with paper
- Excellent bursting during laminated sheet separation
- Matte surface suitable for further finishing like UV spot coating, embossing & hot foil stamping

**APPLICATIONS**

Thermal lamination with all kinds of printed, unprinted StockPKG Lightning Lam plastic films, paper and paper boards like book covers, posters, magazines, diaries etc.



- MATTE THERMAL LAYER
- MODIFIED CORE LAYER
- TREATED THERMAL LAYER

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE
<b>PHYSICAL PROPERTIES</b>			
<b>Average Thickness</b>	Internal	micron	27
		gauge	100
<b>Average Substance</b>	Internal	g / m <sup>2</sup>	21
<b>Yield</b>	ASTM D 4321	m <sup>2</sup> / kg	47.6
		in <sup>2</sup> / lb	33,466
<b>Thickness Variation</b>	Internal	%(±)	5
<b>Surface Tension (Matte Side)</b>	ASTM D 2578	dynes / cm	40
<b>Surface Tension (Ex-Coated Side)</b>			40
<b>OPTICAL PROPERTIES</b>			
<b>Gloss (45°) Glossy Side</b>	ASTM D 2457	Gardner	> 10
<b>THERMAL PROPERTIES</b>			
<b>Lamination Temperature</b>	ASTM D 1204	°C	110 - 120
		°F	212 - 248

**SPECIAL INSTRUCTIONS**

- This BOPP thermal matte 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.

**Storage & Handling:** Needs to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40°C in dry places in original packing.

**Food Contact:** Complies with EC (EU 202/2014 & EU 10/2011) and FDA (21 CFR § 175.105 & 21 CFR § 175.300) regulations on packaging for direct contact with foodstuffs. Specific document and MSDS are available on request.

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