



# MATT-PL

MATT ONE SIDE HEAT SEALABLE BOPP FILM

## Description

Matt, 5 Layers, Both side corona treated, One side Matt and Heat sealable BOPP Film with excellent contact, clarity, slip and antistatic properties.

## Applications

The film is used for Printing and Lamination. It is specially designed for lamination of paper, board, poster and book covers and where Matt appearance is required.

## Characteristics

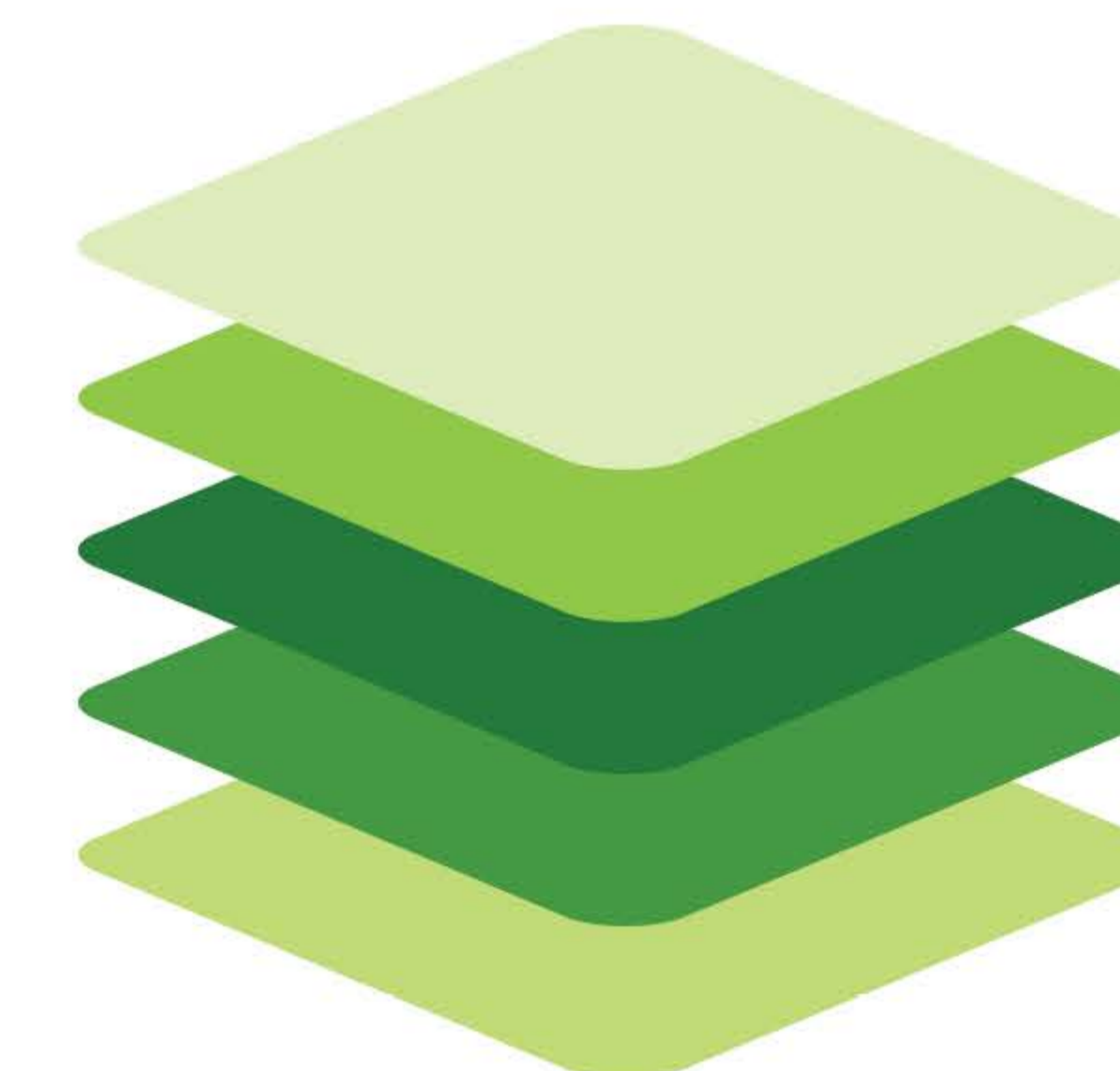
- o Excellent Matt Appearance
- o Excellent Contact Clarity
- o Excellent Surface Treatment Retention
- o Excellent Anchorage of Inks and Lamination Adhesive
- o Excellent Machinability
- o Excellent Mechanical Properties

### INSTRUCTIONS

- o Treatment is guaranteed for 3 months if stored at a temperature below 30°C and humidity 45% to 55%.
- o Other properties of the film are guaranteed for 6 months from the date of production.
- o Film should be allowed to reach operating room temperature 24 hours before use.
- o Whilst every endeavour will be made to supply material in accordance with the quality of sample submitted or quoted for but guarantee can only be given for broad parameter compliance.
- o It is recommended that stock should be used on a first-in, first-out basis.

### TECHNICAL DATA SHEET

PROPERTIES	MATT-PL		UNITS	TEST CONDITIONS
<b>PHYSICAL</b>				
Thickness	12	15	$\mu$	Internal Test Method
Grammage	10.08	12.63	gm/m <sup>2</sup>	
Yield	99.2	79.36	M <sup>2</sup> /Kg	
Wetting Tension - Glossy Side	38	38	Dynes/cm	ASTM D2578
<b>OPTICAL</b>				
Haze	72	72	%	ASTM D1003
Gloss at 45° Angle - Matt Side	10	10	%	ASTM D2457
<b>MECHANICAL</b>				
Dynamic C.O.F (NT x NT)	0.35	0.35	-	ASTM D1894
C.O.F (Film to Metal)	0.25	0.25	-	
Tensile Strength at Break	11	11	Kgf/mm <sup>2</sup>	Machine Direction
	22	22	Kgf/mm <sup>2</sup>	Transverse Direction
Elongation at Break	165	165	%	Machine Direction
	65	65	%	Transverse Direction
<b>THERMAL</b>				
Heat Shrinkage	5	5	%	Machine Direction
	3	3	%	Transverse Direction
Heat Seal Range - Matt Side	130 - 150	130 - 150	°C	IPAK 1 Bar 1 Sec
Heat Seal Strength - Matt Side	155	155	gm/cm	IPAK 1 Bar 1 Sec at 130 °C
<b>BARRIER</b>				
Water Vapour Permeability	8	8	gm/m <sup>2</sup> /24 Hrs	ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2400	2100	cc/m <sup>2</sup> /24 Hrs	ASTM D3985 23 °C, 0% RH



Treated Glossy Layer  
 Intermediate Layer 1  
**Core Layer**  
 Intermediate Layer 2  
 Matt Treated Sealable Layer