



TNb-PL

TRANSPARENT THIN NON HEAT SEALABLE BOTH SIDE TREATED BOPP FILM

Description

Transparent, 5 Layers, Thin, Both Side Corona Treated BOPP Film with Excellent Clarity, Slip and Antistatic Properties for Printing & Lamination application. This thin Film is specially designed for Papers, Boards, Posters and Book Covers Lamination.

Applications

Transparent, 5 Layers, Thin Film, Non Heat Sealable, Both Side Corona Treated Film for Reverse Printing and Lamination Applications, Lamination of Printed Papers, Boards, Posters, Book Covers etc.

Characteristics

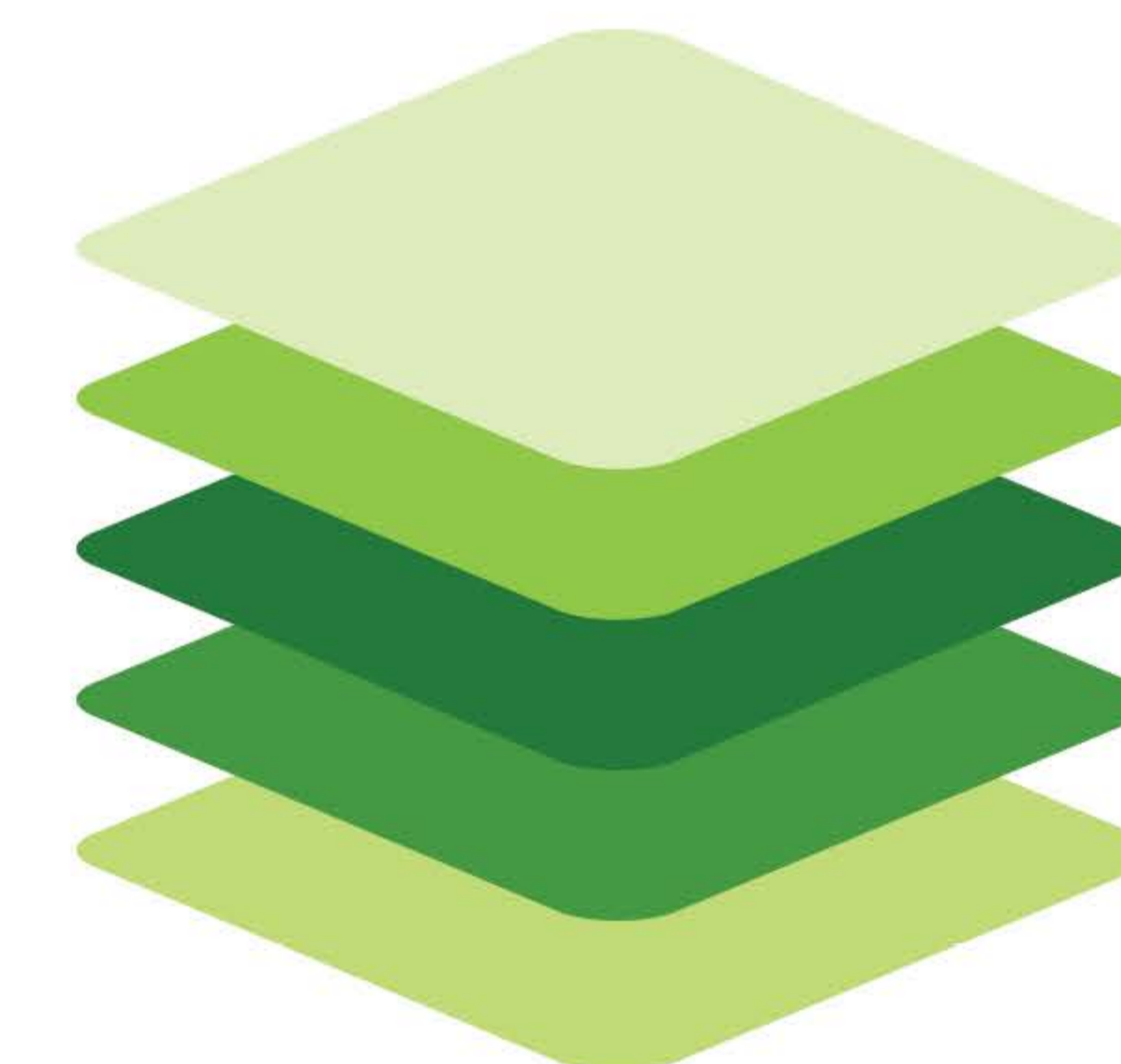
- o High Surface Gloss and Transparency
- o High Yield
- o Excellent Surface Treatment Retention
- o Excellent Anchorage of Inks and Lamination Adhesive
- o Excellent Machinability
- o Excellent Clarity
- o Excellent Mechanical Properties

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	TNb-PL	UNITS		TEST CONDITIONS
PHYSICAL				
Thickness	10	μ		Internal Test Method
Grammage	9.1	gm/m ²		
Yield	110	M ² /Kg		
Wetting Tension Outside/Inside	38/38	Dynes/cm		ASTM D2578
OPTICAL				
Haze	1.2	%		ASTM D1003
Gloss at 45° Angle	93	%		ASTM D2457
MECHANICAL				
Dynamic C.O.F (IM x IM)	0.4	-		ASTM D1894
Tensile Strength at Break	14	Kgf/mm ²	Machine Direction	ASTM D882
	28	Kgf/mm ²	Transverse Direction	
Elongation at Break	170	%	Machine Direction	ASTM D882
	60	%	Transverse Direction	
THERMAL				
Heat Shrinkage	5	%	Machine Direction	IPAK 120°C/05 min
	3	%	Transverse Direction	
Heat Seal Range	-	°C		IPAK 1 Bar 1 Sec
Heat Seal Strength	-	gm/cm		IPAK 1 Bar 1 Sec at 130 °C
BARRIER				
Water Vapour Permeability	8	gm/m ² /24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2500	cc/m ² /24 Hrs		ASTM D3985 23 °C, 0% RH



Outside Treated Layer
Intermediate Layer 1
Core Layer
Intermediate Layer 2
Inside Treated Layer