



THo

TRANSPARENT BOTH SIDES HEAT SEALABLE
ONE SIDE CORONA TREATED BOPP FILM

Description

Transparent, 5 Layers, Both Side Heat Sealable, One Side Corona Treated BOPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Printing & Lamination application. The corona treated side is specifically designed for excellent adhesion of inks and adhesive during conversion. Both sides exhibit excellent hot-tack and seal strength.

Applications

Transparent, 5 Layers, Both side heat Sealable, One Side Corona Treated Film For Printing and Lamination Application

Characteristics

- o Excellent Hot-Tack and Seal Strength on Both Sides
- o Excellent Slip and Antistatic Properties
- o Excellent Dimensional Stability
- o High Surface Gloss and Transparency
- o Excellent Machinability
- o Excellent Surface Treatment Retention
- o Excellent Adhesion of Inks and Adhesive on Treated Side
- o Excellent Mechanical Properties

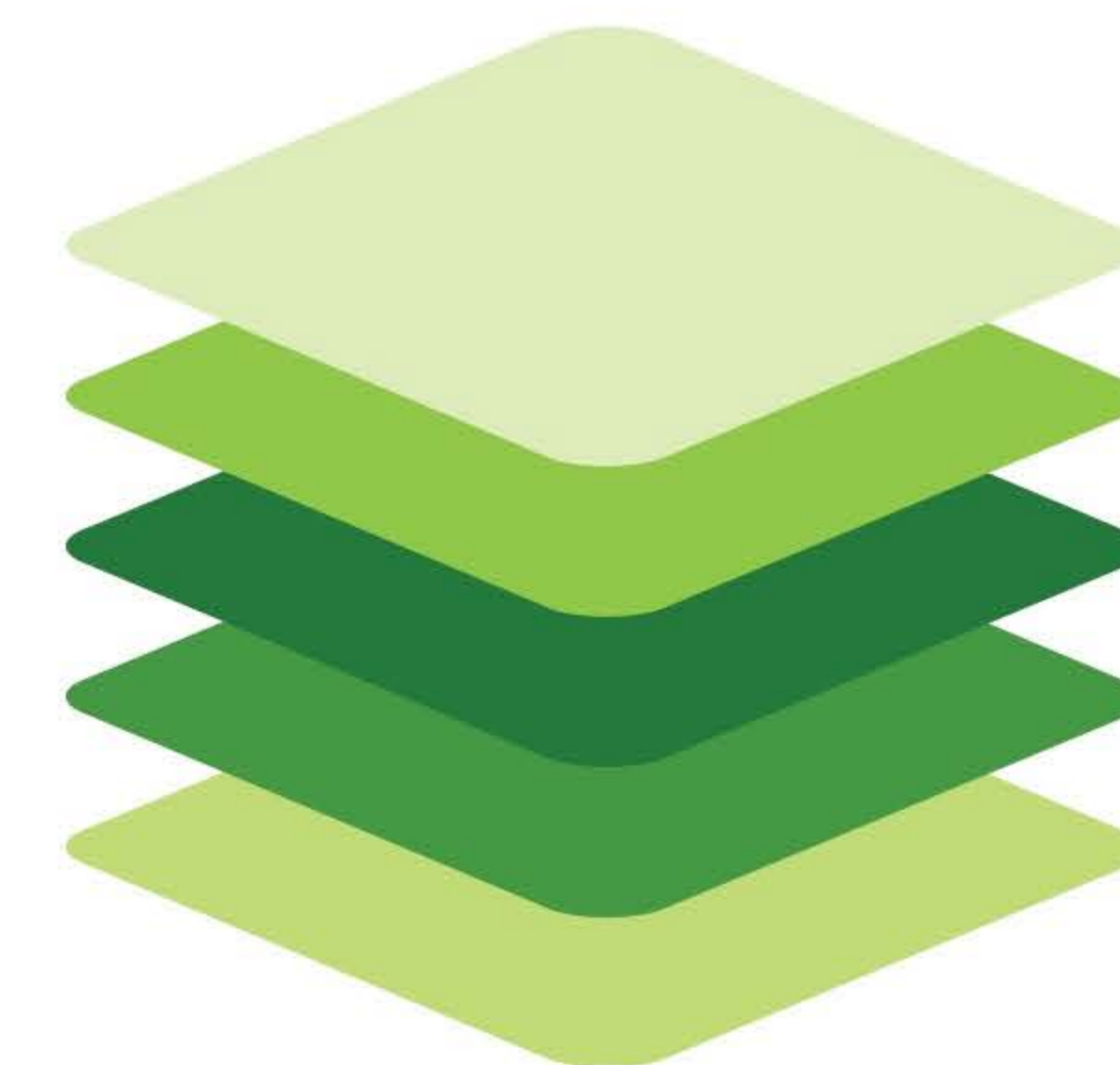
INSTRUCTIONS

- 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.

*Available in inside and outside corona treated as per requirement of customer.

TECHNICAL DATA SHEET

PROPERTIES	THo						UNITS	TEST CONDITIONS	
PHYSICAL									
Thickness	15	18	20	25	30	40	μ	Internal Test Method	
Grammage	13.65	16.38	18.2	22.75	27.3	36.4	gm/m ²		
Yield	73.25	61.05	54.95	43.95	36.6	27.45	M ² /Kg		
Wetting Tension	38	38	38	38	38	38	Dynes/cm	ASTM D2578	
OPTICAL									
Haze	2	2	2.1	2.1	2.2	2.2	%	ASTM D1003	
Gloss at 45° Angle	93	93	93	93	93	93	%	ASTM D2457	
MECHANICAL									
Dynamic C.O.F (NT x NT)	≤0.25	≤0.25	≤0.25	≤0.25	≤0.25	≤0.25	-	ASTM D1894	
Tensile Strength at Break	14	14	14	14	14	14	Kgf/mm ²	MD	ASTM D882
	27	27	27	27	27	27	Kgf/mm ²	TD	
Elongation at Break	170	170	170	170	170	170	%	MD	ASTM D882
	65	65	65	65	65	65	%	TD	
THERMAL									
Heat Shrinkage	4.5	4.5	4	4	4	3.5	%	MD	IPAK/120°C/05min
	2.5	2.5	2	2	2	1.5	%	TD	
Heat Seal Range	105-140	105-140	105-140	105-140	105-140	105-140	°C		IPAK 1 Bar 1 Sec
Heat Seal Strength	180	180	180	200	200	210	gm/cm		IPAK 1 Bar 1 Sec at 130 °C
BARRIER									
Water Vapour Permeability	7	6	6	6	5	5	gm/m ² /24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2200	2200	2200	2000	1800	1800	cc/m ² / 24 Hrs		ASTM D3985 23 °C, 0% RH



Outside Treated Sealable Layer
Modified Intermediate Layer 1
Core Layer
Modified Intermediate Layer 2
Sealable Layer