



# TH-OW

TRANSPARENT HEAT SEALABLE BOPP FILM FOR OVERWRAPPING

## Description

Transparent, 5 Layers, Both Side Heat Sealable, One Side Mild Corona Treated BOPP Film with Excellent Clarity, Slip and Antistatic Properties for Overwrapping application. Both the sides exhibit excellent hot-tack and seal strength.

## Applications

Transparent, 5 Layers, Both side Heat Sealable, One Side Corona Treated Film for Overwrapping Application

## Characteristics

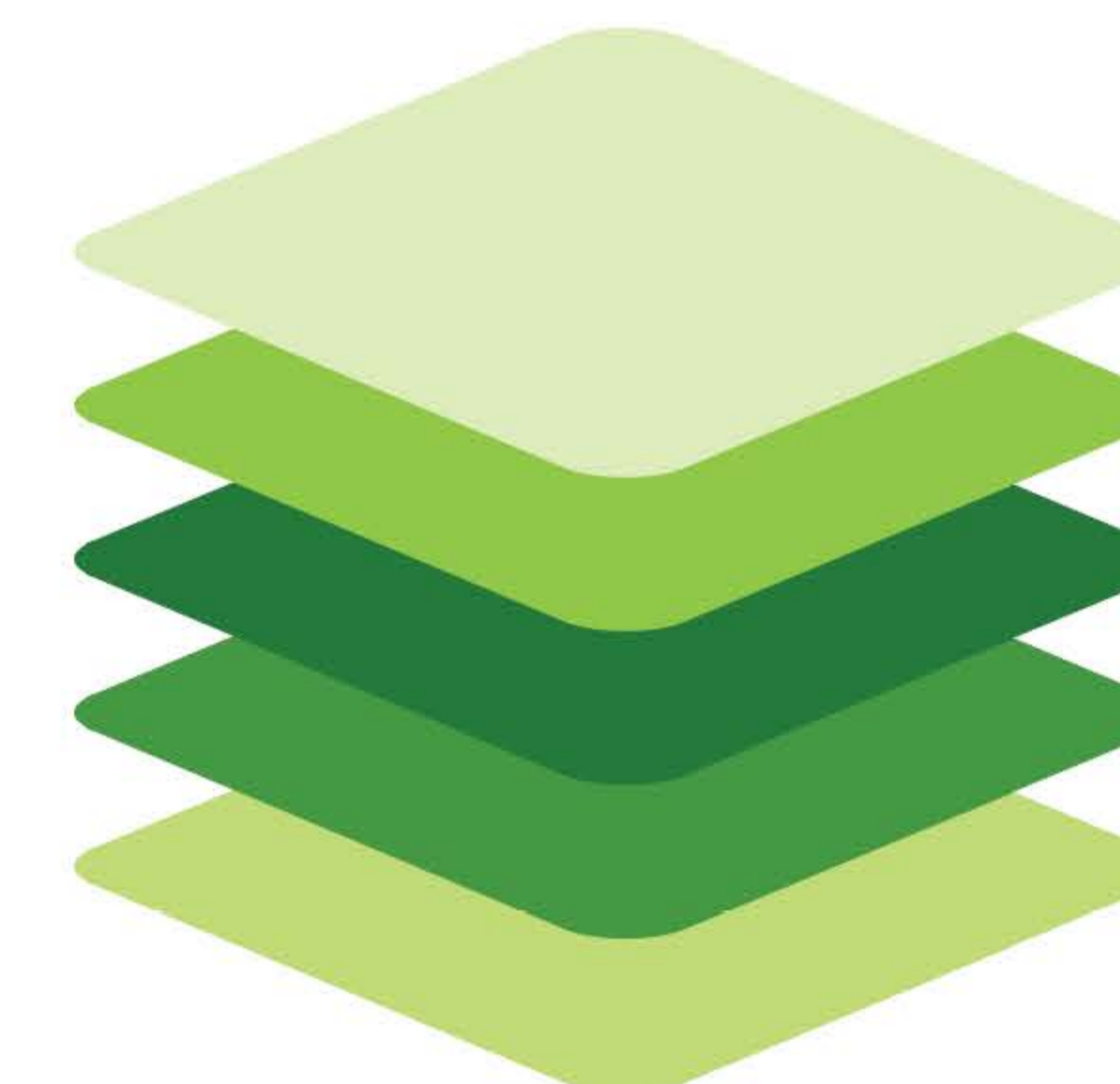
- o Excellent Hot-Tack and Seal Strength on Both Sides
- o Excellent Slip and Antistatic Properties
- o Excellent Dimensional Stability
- o High Surface Gloss and Transparency
- o Excellent Machinability
- o Low COF Property
- o Excellent Mechanical Properties

### 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	TH-OW				UNITS	TEST CONDITIONS
<b>PHYSICAL</b>						
Thickness	18	20	25	30	μ	Internal Test Method
Grammage	16.38	18.2	22.75	27.3	gm/m <sup>2</sup>	
Yield	61.05	54.95	43.95	36.6	M <sup>2</sup> /Kg	
Wetting Tension	36	36	36	36	Dynes/cm	ASTM D2578
<b>OPTICAL</b>						
Haze	2.2	2.3	2.3	2.4	%	ASTM D1003
Gloss at 45° Angle	93	93	93	93	%	ASTM D2457
<b>MECHANICAL</b>						
Dynamic C.O.F (NT x NT)	0.25	0.25	0.25	0.25	-	ASTM D1894
Tensile Strength at Break	14	14	14	14	Kgf/mm <sup>2</sup>	MD ASTM D882
	27	27	27	27	Kgf/mm <sup>2</sup>	
Elongation at Break	180	180	180	180	%	MD ASTM D882
	70	70	70	70	%	
<b>THERMAL</b>						
Heat Shrinkage	4.5	4	4	4	%	MD IPAK 120°C/05min
	2.5	2	2	2	%	
Heat Seal Range	105-140	105-140	105-140	105-140	°C	IPAK 1 Bar 1 Sec
Heat Seal Strength	180	180	200	200	gm/cm	IPAK 1 Bar 1 Sec at 130 °C
<b>BARRIER</b>						
Water Vapour Permeability	6	6	6	5	gm/m <sup>2</sup> /24 Hrs	ASTM F1249 38 °C, 90% RH
Oxygen Permeability	2200	2200	2000	1800	cc/m <sup>2</sup> / 24 Hrs	ASTM D3985 23 °C, 0% RH



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