MZ-HB

HIGH BARRIER METALLIZED HEAT SEALABLE BOPP FILM

Description

5 Layers, High Barrier, One Side Metallized, Other Side Heat Sealable BOPP Film for use in Chips & Snacks Packaging. The film has excellent water vapour and gas barrier properties. Metallized side is specifically designed for good anchorage with lamination adhesives. The untreated heatsealable side has excellent seal strength.

Applications

High Barrier, One Side Heat Sealable, Other Side Metalllized BOPP Film For Lamination Application in Chips/Snacks Packaging

Characteristics

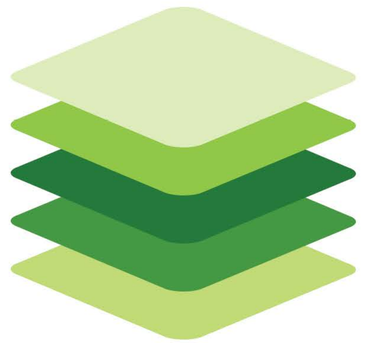
- o Excellent Water Vapour and Gas Barrier Properties
- o Good Light Barrier
- o Good Anchorage of Lamination Adhesive on Metallized Side
- o Excellent Metal Bond Strength
- o Brilliant Metal appearance on Metallized Side
- o Excellent Seal Strength
- o Excellent Dimensional Stability

INSTRUCTIONS

- o Properties other than treatment 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	MZ-HB		UNITS		TEST CONDITIONS
PHYSICAL					
Thickness	15	18	μ		Internal Test Method
Grammage	13.65	16.38	gm/m²		
Yield	73.25	61.05	M²/Kg		
MECHANICAL					
C.O.F (Film to Metal)	0.24	0.24	-		ASTM D1894
Tensile Strength at Break	14	14	Kgf/mm²	Machine Direction	ASTM D882
	25	25	Kgf/mm²	Transverse Direction	
Elongation at Break	180	180	%	Machine Direction	ASTM D882
	65	65	%	Transverse Direction	
THERMAL					
Heat Shrinkage	4.5	4.5	%	Machine Direction	IPAK (120 °C x 05min)
	2.5	2.5	%	Transverse Direction	
Heat Seal Range	100-140	100-140	°C		IPAK 1 Bar 1 Sec
Heat Seal Strength	180	180	gm/cm		IPAK 1 Bar 1 Sec at 130 °C
BARRIER					
Water Vapour Permeability	0.2	0.2	gm/m²/24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	25	25	cc/m²/ 24 Hrs		ASTM D3985 23 °C, 0% RH



Vacuum Deposited Metal Layer
Metal Receptive Layer
Modified Intermediate Layer 1
Core Layer
Modified Intermediate Layer 2
Sealable Layer