MZ-UHB

ULTRA HIGH BARRIER METALLIZED HEAT SEALABLE BOPP FILM

Description

5 Layers, Ultra High Barrier, One Side Metallized, Other Side Heat Sealable BOPP Film for use in Chips & Snacks Packaging. The film has outstanding 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

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

Characteristics

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

INSTRUCTIONS

- Properties other than treatment are guaranteed for 6 months from the date of production.
- Film should be allowed to reach operating room temperature 24 hours before use.
- 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.
- It is recommended that stock should be used on a first-in, first-out basis.

TECHNICAL DATA SHEET

PROPERTIES	MZ-UHB		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	MD	ASTM D882
	27	27	Kgf/mm²	TD	
Elongation at Break	180	180	%	MD	ASTM D882
	65	65	%	TD	
THERMAL					
Heat Shrinkage	4.5	4.5	%	MD	IPAK (120 °C x 05min)
	2.5	2.5	%	TD	
Heat Seal Range	105-140	105-140	°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	0.15	0.15	gm/m²/24 Hrs		ASTM F1249 38 °C, 90% RH
Oxygen Permeability	15	15	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