



MZ-111

METALLIZED LOW SEAL INITIATION, WIDE HEAT SEAL RANGE, SEALABLE BOPP FILM

Description

5 Layers, One Side Metallized, Other Side Low Seal Initiation Temperature Heat Sealable BOPP Film for Lamination Application and high speed Packaging Machines. The film has excellent water vapour and gas barrier properties. Metallized side is specifically designed for good anchorage with lamination adhesives. The untreated Low SIT heatsealable side has excellent seal strength.

Applications

One Side Low Seal Initiation Temperature, Other Side Metallized BOPP Film For Lamination Application

Characteristics

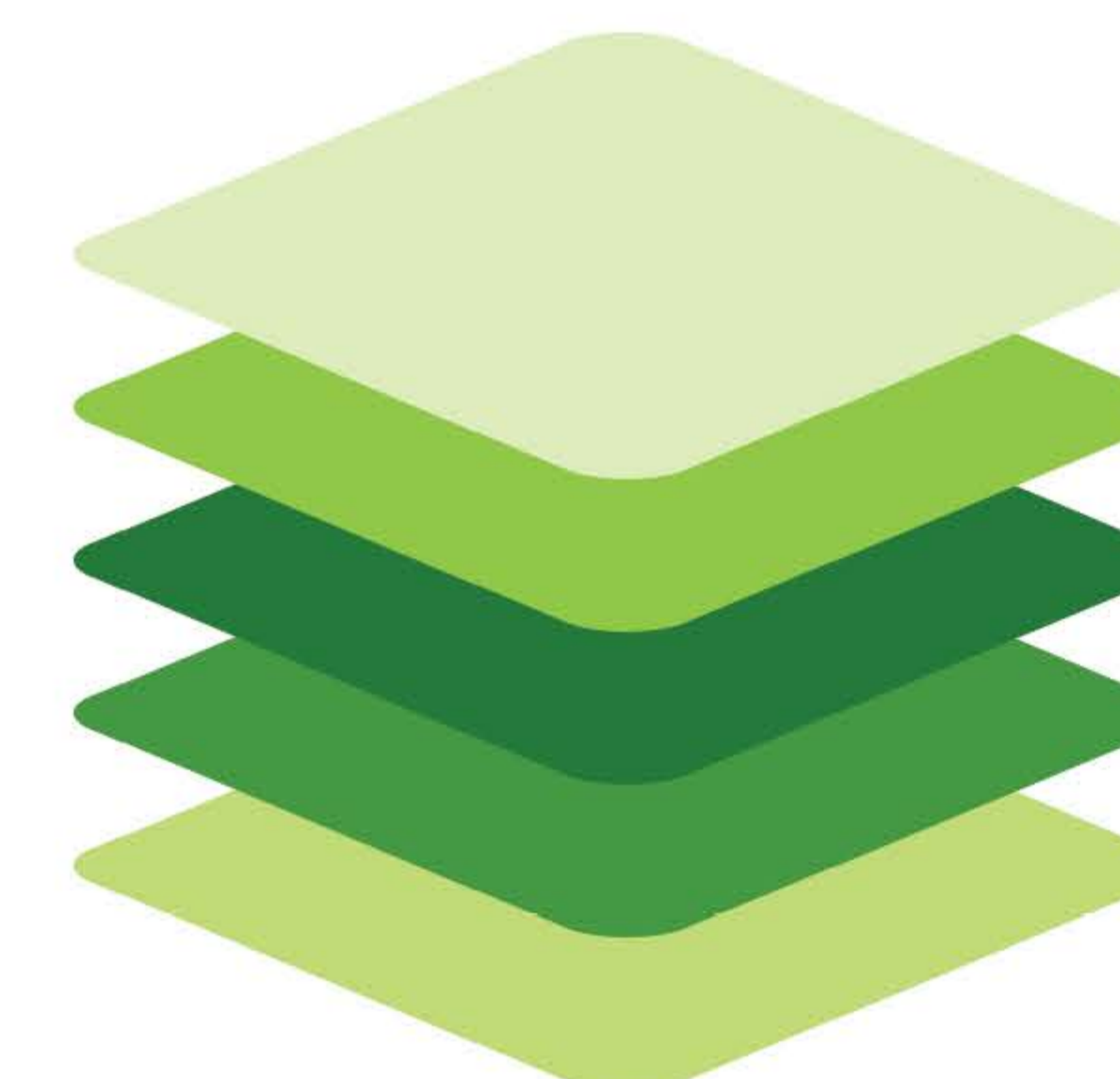
- o Low Seal Initiation Temperature at Non Treated Side (100 °C)
- o Excellent Water Vapour and Gas Barrier Properties
- o Good Light Barrier
- o Good Anchorage of Lamination Adhesive on Metallized Side
- o Excellent Metal Bond Strength
- o Brilliant Metal appearance on Metallized Side
- o Excellent 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-111		UNITS	TEST CONDITIONS	
PHYSICAL					
Thickness	15	18	μ	Internal Test Method	
Grammage	13.65	16.38	gm/m ²		
Yield	73.25	61.05	M ² /Kg		
OPTICAL					
Optical Density (Min)	2.1	2.1	-	Internal Test Method	
MECHANICAL					
C.O.F (Film to Metal)	0.23	0.23	-	ASTM D1894	
Tensile Strength at Break	14	14	Kgf/mm ²	MD	ASTM D882
	25	25	Kgf/mm ²	TD	
Elongation at Break	170	170	%	MD	ASTM D882
	65	65	%	TD	
THERMAL					
Heat Shrinkage	4.5	4	%	MD	IPAK 120°C/05 min
	2.5	2	%	TD	
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	0.5	0.5	gm/m ² /24 Hrs	ASTM F1249 38 °C, 90% RH	
Oxygen Permeability	80	80	cc/m ² /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
 Low SIT Sealable Layer (100°C)