

PROVISIONAL

MSI225SPL2

METALLISED HEAT SEALABLE INSIDE METALLISED HIGH BARRIER GRADE BOPP FILM WITH CONTROLLED HEAT SEAL RANGE FOR PACKAGING CONVERSION



Aluminium Layer
Treated, Metallizable Layer
Tie Layer
PP Core layer
Tie Layer
Non CT, Special Heat seal, High HSS Layer



AVAILABLE
CALIPERS

DESCRIPTION

OPP MSI225SPL2 is high barrier metallised BOPP film. It is metallised on one side and heat sealable on other side having good moisture and gas barrier properties. It is lap sealable when laminated with other co-ex. Its untreated surface is specially designed for controlled heat seal range & High Seal Strength. Due to its slip controlled broad seal surface this film perform well on all types of HFFS & VFFS machines

PRODUCT FEATURES

- Excellent metal adhesion & treatment retention
- Good Sealing properties
- Excellent runnability on HFFS & VFFS machines
- Good Moisture & Oxygen barrier properties
- Brilliant Metal appearance
- Good stiffness & Mechanical properties

APPLICATIONS

To be used as inner sealable web in laminate of;

- Confectionary (Chocolate/gum/sugar)
- Ice cream & Frozen food
- Bakery (Biscuits/cookie/crackers)
- Chips and Snacks
- Dry food and powders

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	PROPERTIES	REF.	MS25I225SPL2	MS30I225SPL2	UNITS	TEST METHOD
GENERAL	Thickness	-	25	30	μ	Internal Method
	Density	-	0.91	0.91	g/cc	Internal Method
	GSM	-	22.7	27.3	gm/m ²	Internal Method
	Yield	-	44.0	36.6	m ² /kg	Internal Method
OPTICAL	Optical Density	-	2.2		-	Internal Method
SURFACE	Metal Adhesion	-	100		%	Internal Method
MECHANICAL	Tensile Strength	MD TD	1300 2800		Kg/cm ²	ASTM D 882
	Elongation	MD TD	200 60		%	ASTM D 882
	Modulus	MD TD	18000 30000		Kg/cm ²	ASTM D 882
THERMAL	Thermal Shrinkage	MD TD	4 2		%	ASTM D 1204
	SIT	-	105		°C	Internal Method
	Heat Seal Strength (1.0sec, 170N, 130°C)	-	650		gm/25mm	Internal Method
BARRIER	WVTR (38°C, 90% RH)	-	0.50		gm/m ² /day	ASTM F 1249
	OTR (23°C, 0% RH)	-	80		cc/m ² /day	ASTM D 3985

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed within three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

OPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

SAFETY

Compliance with industrial health and safety standards. OPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing except for metallized layer surface tension
- Strongly recommend online corona treatment in metallised films during lamination as treatment level decay with time is a natural phenomenon which depends on ambient conditions (Recommended storage conditions: Temperature < 30 deg C & Humidity 55% (Maximum) in original packed condition)