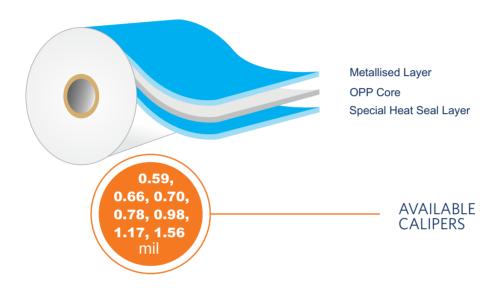
TOPPAN

MS225 BOPP FILMS

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



DESCRIPTION

OPP MS225SPL 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 Due to its slip controlled broad seal surface this film perform well on all types of HFFS & VFFS machines.

PRODUCT FEATURES

- Excellent metal adhesion and treatment retention
- Good sealing properties
- Excellent runability on HFFS and VFFS machines
- Good moisture and oxygen barrier
- Brilliant metal appearance
- Good stiffness and mechanical properties

APPLICATIONS

Typically used as a inner web in laminates for VFFS & HFFS applications

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Chips and Snacks
- Dry food and powders
- Ice cream and frozen food

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UNIT

METHOD

MS301225-

MS401225-

SPL

GENERAL	Nominal Thickness	• 7	0.59	0.66	0.70	0.78	0.98	1.17	1.56		Internal Method
	Density	17	0.91	0.91	0.91	0.91	0.91	0.91	0.91	g/cc	Internal Method
	Grammage	15	2.80	3.17	3.36	3.73	4.66	5.60	7.46		Internal Method
	Yield	•-	51535	45418	42958	38599	30935	25732	19334	in²/lb	Internal Method
OPTICAL	Optical Density	-				2.2				-	Internal Method
SURFACE	Metal Adhesion	-				100				%	Internal Method
MECHANICAL	Tensile Strength (at break)	- MD - TD				18486 39816				psi	ASTM D 882
	Elongation (at break)	- MD - TD				200 60				%	ASTM D 882
	Elastic Modulus	- MD - TD				25596 42660				psi	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD	4 2								ASTM D 1204
	Heat Seal Range	-	221-293							°F	Internal Method
÷	Seal Strength		8.0	0.8	8.0	0.8	8.0	0.9	0.9	lb/in •	Internal Method (266°F/1sec/30psi)
RIE	WVTR 100°F 90% r	h -	0.052						g/100in³/day	ASTM F 1249	
BARRIER	OXTR 73°F 0%rh	-		6.45							y 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											

POSITION | MS151225- | MS171225- | MS181225- | MS201225- | MS251225- | MS25122

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

PROPERTIES

Nominal Thick

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)