

PROVISIONAL

MF18SL7

METALLISED NON HEAT SEALABLE BOPP FILM INSIDE METALLISED ULTRA HIGH OXYGEN BARRIER GRADE FOR ADHESIVE & EXTRUSION SANDWICH LAMINATION



Metallised surface
Treated, Metallisable surface
Tie Layer
PP Core layer
Tie Layer
Corona Treated Layer



AVAILABLE
CALIPERS

DESCRIPTION

OPP MF18SL7 is both side treated ultra-high oxygen barrier metallised **BOPP** film. It's metallised and non-metallised side is treated for sandwich adhesive as well as extrusion lamination (triplex structure), as a replacement of Aluminium foil or metallised polyester.

PRODUCT FEATURES

- Outstanding Oxygen barrier
- Outstanding Moisture & Light barrier
- Good treatment retention & metal adhesion
- Extended shelf life for food product
- Easy convertibility on both sides for adhesive as well as extrusion sandwich lamination
- Excellent runnability on VFFS & HFFS machines

APPLICATIONS

Sandwich lamination in triplex structures as a replacement of Aluminium Foil/Metallised Polyester;

- Pouch/Sachet Laminate
- Health and Beauty care
- Household & Detergent
- Dry Food & Beverages powders
- Crisps and Snacks

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	PROPERTIES	REF.	MF18SL7	UNITS	TEST METHOD
GENERAL	Thickness	-	18	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	16.38	gm/m ²	Internal Method
	Yield	-	61.1	m ² /kg	Internal Method
OPTICAL	Optical Density	-	2.9	-	Internal Method
SURFACE	Metal Adhesion	-	100	%	Internal Method
MECHANICAL	Tensile Strength	MD TD	1200 2500	Kg/cm ²	ASTM D 882
	Elongation	MD TD	190 60	%	ASTM D 882
	Modulus	MD TD	17000 28000	Kg/cm ²	ASTM D 882
THERMAL	Thermal Shrinkage	MD TD	4 2	%	ASTM D 1204
BARRIER	WVTR (38°C, 90% RH)	-	0.1	gm/m ² /day	ASTM F 1249
	OTR (23°C, 0% RH)	-	0.1	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 metallized 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)