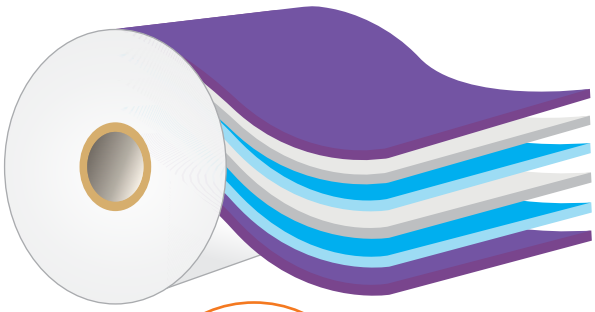
TECHNICAL DATA SHEET

TOPPAN

M18SL6UL

BOPP FILMS

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



Metallised surface
Metallisable layer
Tie layer
OPP core
Tie layer
Corona treated layer

18 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

OPP SL6UL 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 products
- Easy convertibility on both sides for adhesive as well as extrusion sandwich lamination
- Excellent runnability on HFFS & VFFS machines

APPLICATIONS

Sandwich lamination in triplex structures as a replacement of Aluminium foil/metallised polyester

- Pouch/Sachet laminates
- Health and beauty care
- Household and detergents
- Dry foods and beverage powders
- Crisps and snacks

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	PROPERTIES	POSITION	M18SL6UL	UNIT	METHOD
GENERAL	Nominal Thickness	-	18	µ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	16.38	g/m^2	Internal Method
	Yield	-	61.1	m^2/kg	Internal Method
OPTICAL	Optical Density	-	2.7	-	Internal Method
SURFACE	Metal Adhesion	-	100	%	Internal Method
MECHANICAL	Tensile Strength (at break)	- MD - TD	1200 2500	kg/cm^2	ASTM D 882
	Elongation (at break)	- MD - TD	210 60	%	ASTM D 882
	Elastic Modulus	- MD - TD	17000 27000	kg/cm^2	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD	4 2	%	ASTM D 1204
BARRIER	WVTR 38° C 90% RH	-	0.2	$g/m^2/day$	ASTM F 1249
	OXTR 23° C	-	0.2	$cc/m^2/day$	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).