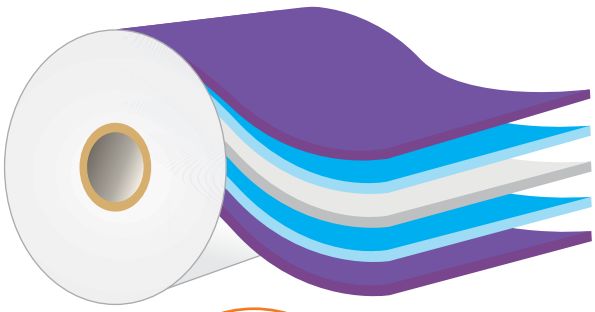
TECHNICAL DATA SHEET

TOPPAN

30MPHSOB3

BOPP FILMS

WHITE CAVITATED METALLISED LOW SEAL INITIATION TEMPERATURE ULTIMATE HEAT SEAL STRENGTH AND HOT TACK STRENGTH ULTRA HIGH OXYGEN BARRIER GRADE BOPP FOR CONVERSION



Metallised High Gloss Layer
Tie Layer
White Cavitated OPP Core
Tie Layer
Low SIT / High Seal Strength Layer

30 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

MPHSOB3 is metallised white cavitated **BOPP** film. It is metallised on one side and very low seal initiation temperature layer with ultimate heat seal strength on other side.This product is specifically modified and designed to provide ultra high barrier to moisture and oxygen.

PRODUCT FEATURES

- Ultra high oxygen and moisture barrier
- Wide sealing range with low seal initiation temperature (SIT ~ 95°c)
- Outstanding seal performance in term of strength, hot-tack and integrity
- Good runnability on HFFS & VFFS machines
- Outstanding opacity and light barrier
- Excellent metal appearance on one side, pearl background on the other side
- Easy convertibility with adhesive as well as extrusion lamination

APPLICATIONS

Can be used as a monolayer or as a part of laminate structure

- Potato chips/snacks/crisp
- Ice cream and frozen food
- Confectionary (chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)

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	PROPERTIES	POSITION	30MPHSOB3	UNIT	METHOD
GENERAL	Nominal Thickness	-	30	µ	Internal Method
	Density	-	0.75	g/cc	Internal Method
	Grammage	-	22.5	g/m^2	Internal Method
	Yield	-	44.4	m^2/kg	Internal Method
SURFACE OPTICAL	Optical Density	-	2.7	-	Internal Method
	Metal Adhesion	-	100	%	Internal Method
MECHANICAL	Tensile Strength (at break)	- MD - TD	700 1700	kg/cm^2	ASTM D 882
	Elongation (at break)	- MD - TD	180 60	%	ASTM D 882
	Elastic Modulus	- MD - TD	8000 18000	kg/cm^2	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD	4 2	%	ASTM D 1204
	Heat Seal Range	-	95-140	℃	Internal Method
	Heat Seal Strength (Min.)	-	900-1100	g/25mm	Internal Method (130°C/1sec/30psi)
THERMAL	WVTR 38° C 90% rh	-	0.2	$g/m^2/day$	ASTM F 1249
	OXTR 23° C 0% rh	-	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)

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