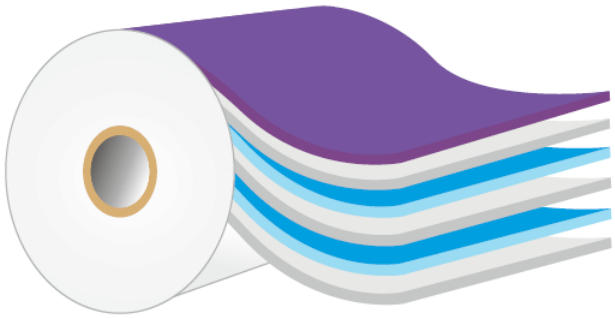
TECHNICAL DATA SHEET

TOPPAN

MPHSOB3

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



Metallized High Gloss layer
Treated, Metallizable Layer
Tie Layer
White cavitated OPP Corer
Tie Layer
Low SIT / High seal strength layer

1.08 mils

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

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

APPLICATIONS

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

- Potato chips/snacks/crisp
- Ice cream & frozen food
- Confectionery (Chocolate/gum/sugar)
- Bakery (Biscuits/Cookie/cracker)

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	PROPERTIES	REF.	28MPHSOB3	UNITS	TEST METHOD
GENERAL	Thickness	-	1.08	mils	Internal Method
	Density	-	0.82	g/cc	Internal Method
	GSM	-	4.62	lb/1000ft^2	Internal Method
	Yield	-	31146	in^2/lb	Internal Method
OPTICAL	Optical Density	-	2.8	-	Internal Method
SURFACE	Metal Adhesion	-	100	%	Internal Method
MECHANICAL	Tensile Strength	MD TD	11379 21335	psi	ASTM D 882
	Elongation	MD TD	200 70	%	ASTM D 882
	Modulus	MD TD	156456 256019	psi	ASTM D 882
THERMAL	Thermal Shrinkage	MD TD	5 3	%	ASTM D 1204
	Heat Seal Range	-	203 – 284	°F	Internal Method
	Heat Seal Strength (Min)	-	2.0	lb/in	Internal Method
BARRIER	WVTR (100.4°F, 90% RH)	-	0.006	gm/100in^2/24hr	ASTM F 1249
	OTR (73.4°F, 0% RH)	-	0.006	cc/100in^2/24hr	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)