TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

TSTIVOBF

BOPP FILMS

TRANSPARENT ONE SIDE UHB HIGH WETTING TENSION SURFACE & OTHER SIDE NON TREATED BOPP BASE FILM FOR ULTRA HIGH OXYGEN BARRIER VACUUM METALLISATION

UHB Layer with Good Wetting Tension

OPP core

Non treated heat seal surface

18 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

TS18TIVOBF is transparent co-extruded Metallisable **BOPP** film with Ultra High Oxygen Barrier capabilities after metallisation. It's one side is specifically formulated with EVOH polymer to provide excellent oxygen barrier, metal adhesion & treatment retention after metallisation & Other side non treated surface.

PRODUCT FEATURES

- Specially formulated for ultra high oxygen barrier vacuum metallisation
- Outstanding adhesion layer for metallization
- Excellent processability during metallisation and on HFFS & VFFS machines
- Good treatment retention after Metalisation
- Brilliant and homogeneous metal appearance after metallisation.
- Good stiffness and mechanical properties

APPLICATIONS

Base film for metallisation

- Aluminium vacuum metallisation

LAST UPDATE 23-01-2023 I ISSUE 1/ REV 01

TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

	PROPERTIES	POSITION	TS18TIVOBF	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	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	95	GU	ASTM D 2457
SURFACE	COF	Film/Metal	0.4	-	ASTM D 1894
	Wetting Tension	-	44	Dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	1100 2500	kg/cm^2	ASTM D 882
	Elongation (at break)	- MD - TD	200 60	%	ASTM D 882
	Elastic Modulus	- MD - TD	18000 30000	kg/cm^2	ASTM D 882
THERMAL	Linear Shrinkage (max)	- MD - TD	4 2	%	ASTM D 1204
BARRIER	WVTR 38° C 90% RH	-	7.5	$g/m^2/day$	ASTM F 1249
	OXTR 23° C 0% RH	-	130	$cc/m^2/day$	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