TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

TS18TTIVOBSL8

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

UHB High wetting tension surface for metallization
Tie Layer
OPP Modified Core Layer
Tie Layer
Corona treated heat sealable surface

18 MICRONS

AVAILABLE CALIPERS

DESCRIPTION

TS18TTIVOBSL8 is transparent co-extruded Metallizable **BOPP** film with Ultra High Oxygen Barrier capabilities. It's one side is specifically formulated with special polymer to provide excellent Barrier performance during vacuum metallization & other side is corona treated heat seal surface.

PRODUCT FEATURES

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

APPLICATIONS

- Base film for Vacuum Metallization

NOMENCLATURE

TS18TTIVOBSL8 - UHB High wetting tension metallizable surface Inside, low corona treated surface Outside
TS18TTOVOBSL8 - UHB High wetting tension metallizable surface Outside, low corona treated surface Inside

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	PROPERTIES	POSITION	TS18TTIVOBSL8	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	18	µ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	16.38	g/m^2	Internal Method
	Yield	-	61.05	m^2/kg	Internal Method
OPTICAL	Haze	-	3.0	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.50	-	Internal Method
	Wetting Tension	UHB side	44	dynes/cm	ASTM D 2578
		Other side	38*	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD	1200 2600	kg/cm^2	ASTM D 882
	Elongation (at break)	-MD -TD	210 60	%	ASTM D 882
	Elastic Modulus	-MD -TD	18000 28000	kg/cm^2	ASTM D 882
THERMAL	Thermal Shrinkage	-MD -TD	4 2	%	ASTM D 1204

* 38 dyne/cm guaranteed for 4 months from the invoice date in controlled ambient condition as per below storage guidelines.

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 wetting tension

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