

TS15TTIVOB

BOPP FILMS

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



DESCRIPTION

TS15TTIVOB 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 corona treated surface has good treatment rate for conversion application

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

	PROPERTIES	POSITION	TS15TTIVOB	UNIT	METHOD
GENERAL	Nominal Thickness	-	15	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	13.75	g/m ²	Internal Method
	Yield	-	72.7	m ² /kg	Internal Method
OPTICAL	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	85	GU	ASTM D 2457
SURFACE	COF	Film/Metal	0.4	-	ASTM D 1894
	Wetting Tension	Both sides	38	Dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1100	kg/cm ²	ASTM D 882
		- TD	2500		
	Elongation (at break)	- MD	200	%	ASTM D 882
		- TD	60		
	Elastic Modulus	- MD	18000	kg/cm ²	ASTM D 882
		- TD	28000		
THERMAL	Linear Shrinkage (max)	- MD	4	%	ASTM D 1204
		- TD	2		
BARRIER	WVTR 38° C 90% RH	-	8.5	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