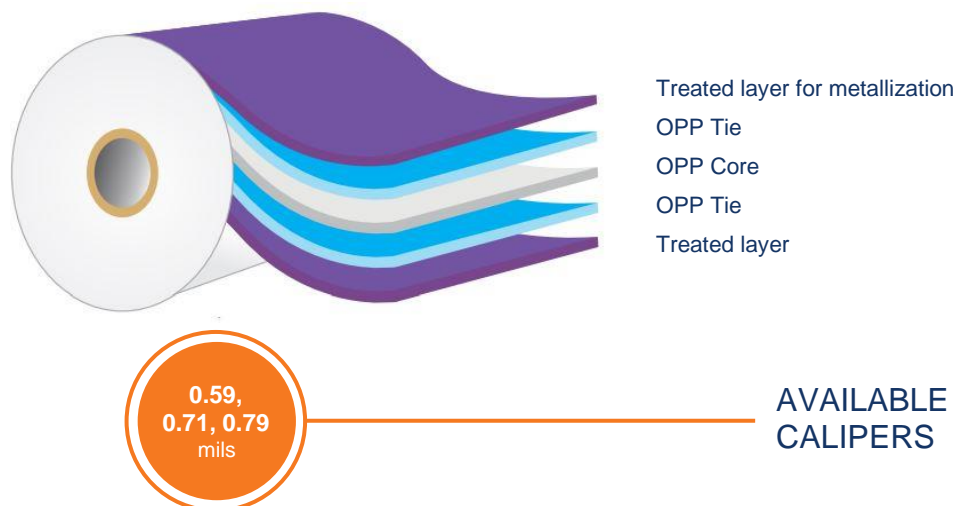


TSTTOV

TRANSPARENT NON SEALABLE BOTH SIDE TREATED BOPP FILM FOR VACUUM METALLIZATION



DESCRIPTION

OPP TSTTOV is transparent both side treated **BOPP** film for vacuum metallization. It's one side is specifically formulated for vacuum metallization & other side corona treated surface has good treatment rate for conversion application.

PRODUCT FEATURES

- Good treatment retention
- Excellent runnability on HFFS & VFFS machines
- Good stiffness and mechanical properties

APPLICATIONS

Base film for vacuum metallization

NOMENCLATURE

TTOV - Outside vacuum metallization and other side is for conversion application
 TTIV - Inside vacuum metallization and other side is for conversion application

	PROPERTIES	POSITION	TS15TTOV	TS18TTOV	TS20TTOV	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	0.59	0.71	0.79	mils	Internal Method
	Density	-	0.91	0.91	0.91	g/cc	Internal Method
	GSM	-	2.80	3.35	3.73	lb/1000ft ²	Internal Method
	Yield	-	51535	42922	38599	in ² /lb	Internal Method
OPTICAL	Haze	-		2.5		%	ASTM D 1003
	Gloss	-		90		GU	ASTM D 2457
SURFACE	Wetting Tension	Both side		38*		dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD		18490 35558		psi	ASTM D 882
	Elongation (at break)	-MD -TD		200 70		%	ASTM D 882
	Elastic Modulus	-MD -TD		256019 398252		psi	ASTM D 882
THERMAL	Linear Shrinkage	-MD -TD		4 2		%	ASTM D 1204

* 38 dyne/cm guaranteed for 3 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