

M45TTI225PSL

BOPP FILMS

METALIZED BOTH SIDES CORONA TREATED BOPP FOR LABELLING CONVERSION & FACE STOCK FILM



Treated Non metalized surface

Transparent OPP Core

Treated Metalized Surface



AVAILABLE
CALIPERS

DESCRIPTION

M45TTI225PSL is metalized **BOPP** specially designed for pressure sensitive label conversion. Its metalized surface is corona treated for adhesives and non-metal side is corona treated for printing conversion. (Refer Coating & Lamination guidelines as mentioned on page 2).

PRODUCT FEATURES

- Robust machinability
- Excellent metal adhesion
- Excellent metallic appearance
- Excellent web flatness

APPLICATIONS

- Labels

	PROPERTIES	POSITION	M45TTI225PSL	UNIT	METHOD
GENERAL	Nominal Thickness	-	45.0	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	40.95	g/m ²	Internal Method
	Yield	-	24.4	m ² /kg	Internal Method
OPTICAL	Optical Density	-	2.2	%	Internal Method
SURFACE	COF	Non metal / Non metal	0.30	-	ASTM D 1894
	Wetting tension	Unmetal side	38*	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	1200 2600	kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD	220 70	%	ASTM D 882
	Elastic Modulus	- MD - TD	18000 28000	kg/cm ²	ASTM D 882
	Linear Shrinkage	- MD - TD	4 2	%	ASTM D 1204

* 38 dynes at Unmetallised side & 36 dynes Metallised side guaranteed for 3 months from the invoice date in controlled ambient condition as per below storage guidelines.

Pre-corona is also strongly recommended to be given on the treated surface prior to coating to boost the treatment level and strong adhesion of the coating.
Appropriate pre-corona treated is must to be given prior to any kind of coating on the metallised surface.

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 with three months of receipt. OPP films should be allowed to reach operating room temperature 24 hours before use. Film characteristics are maintained for six months from the date of manufacturing.

PRINTING, COATING & LAMINATION

Online corona treatment or primer coating is strongly recommended on metalized surface before processing the material. Non metalized corona treated surface can normally be printed with solvent based inks. Other ink formats can also be done but with appropriate primers/coatings.

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).