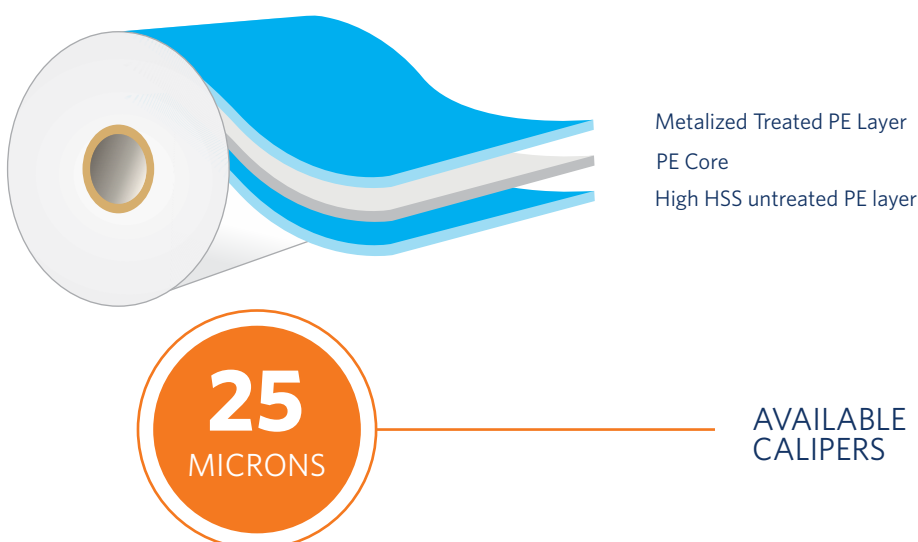


PROVISIONAL

**MS25I275PE**

BOPP FILMS

METALIZED BIAXIALY ORIENTED POLYETHYLENE FOR PACKAGING CONVERSION

**DESCRIPTION**

MSI275PE is metalized biaxially oriented PE film. It is one side corona treated on metalized side for lamination and other side with broad heat seal range and very high seal strength surface; Especially designed with excellent metal adhesion and controlled thickness for demanding high speed packaging applications.

**PRODUCT FEATURES**

- Easy Tear
- Outstanding seal performance in term of strength, hot-tack and integrity
- Remarkable performance on HFFS & VFFS machines
- Good Gloss/Luster
- Good Puncture and Pin hole resistance
- Suitable for Nitrogen Flush

**APPLICATIONS**

To be used as inner sealable web in laminated structure

- Bakery (Biscuits/cookie/crackers)
- Household and detergents
- Potato chips/snacks/crisp
- Frozen food

## PROVISIONAL

	PROPERTIES	POSITION	MS25I275PE	UNIT	METHOD
GENERAL	Nominal Thickness	-	25	μ	Internal Method
	Density	-	0.95	g/cc	Internal Method
	Grammage	-	23.75	g/m <sup>2</sup>	ASTM D 1505
	Yield	-	42.1	m <sup>2</sup> /kg	Internal Method
SURFACE OPTICAL	Optical Density	-	2.7	-	Internal Method
	Metal Adhesion	-	100	%	Internal Method
	Dynamic COF	Film/Film	0.35	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	- MD - TD	700 1600	kg/cm <sup>2</sup>	ASTM D 882
	Elongation (at break)	- MD - TD	300 90	%	ASTM D 882
	Elastic Modulus	- MD - TD	6000 10000	kg/cm <sup>2</sup>	ASTM D 882
	Linear Shrinkage (max)	- MD - TD	5 7	%	Internal Method (100°C/5min)
THERMAL	Heat Seal Strength	Laminate (BOPP+Met BOPE)	3	kg/25mm	Internal Method (130°C/1sec/30psi)
	Heat Seal Strength	Laminate (BOPP+Met BOPE)	5	kg/25mm	Internal Method (140°C/1sec/30psi)
BARRIER	WVTR 38° C 90% RH	-	1.5	g/m <sup>2</sup> /day	ASTM F 1249
	OTR 23° C, 0% RH	-	150	cc/m <sup>2</sup> /day	ASTM D 3985

The figures and above properties refer to average values of laboratory test on samples of our standard production, it is understood that this entails no obligation or responsibility on our part. 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 except for metallized layer surface tension

## PRINTING &amp; LAMINATION

Online corona treatment is strongly recommended before processing the material. Metallised surface can normally be laminated with appropriate substrates but an appropriate primer is recommended when the metallised surface is to be printed

## 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)