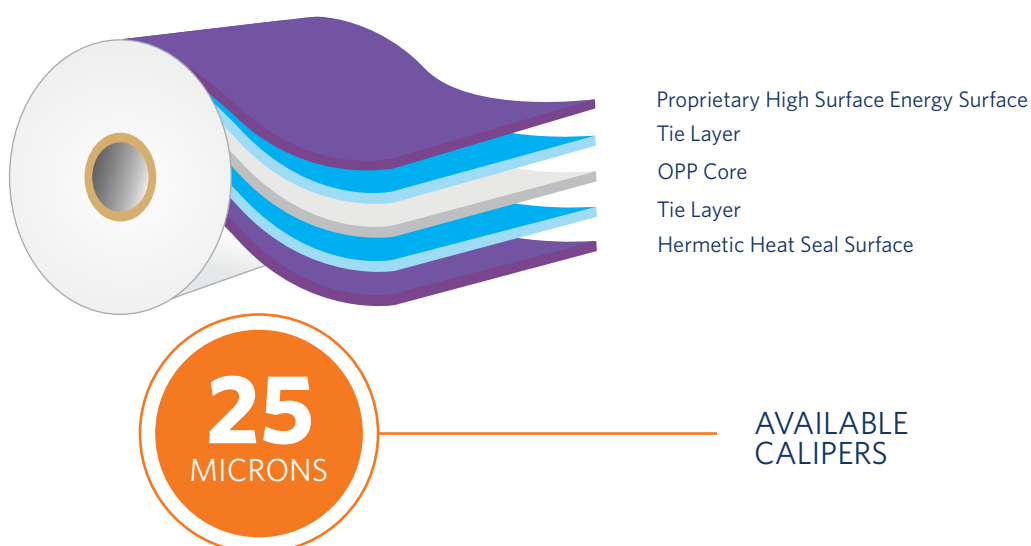


25TUSTI-OB

BOPP FILMS

TRANSPARENT HEAT SEALABLE ULTRA SEAL HIGH OXYGEN BARRIER BOPP FOR CONVERSION



DESCRIPTION

OPP TUSTI-OB is a Ultra Seal High Oxygen Barrier Co-extruded **BOPP** film. It is one side proprietary surface with good wetting tension and the other side is a Ultra Heat Seal Surface; Especially designed for demanding high speed packaging and leak proof Nitrogen flush packs...e.g. Chips Packaging.

PRODUCT FEATURES

- Hermetic Heat Seal Performance..leak Proof Packs during Nitrogen flush
- Wide sealing range with low seal initiation temperature(SIT ~ 95°C)
- Good optical Properties
- Outstanding performance on HFFS & VFFS machines
- Excellent Seal performance in presence of contaminants
- Excellent Oxygen and Moisture barrier
- Good Stiffness and Mechanical Properties

APPLICATIONS

Potato chips/snacks/crisp

- Ice cream and frozen food
- Confectionary (chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)
- Household and detergents
- Can be used as a monolayer or as a part of laminate structure

NOMENCLATURE

TUSTI-OB...Wetting tension Surface Inside, Ultra Heat Seal Surface Outside

TUSTO-OB...Wetting tension Surface Outside, Ultra Heat Seal Surface Inside

TOPPAN SPECIALITY FILMS

	PROPERTIES	POSITION	25TUSTI-OB	UNIT	METHOD
GENERAL	Nominal Thickness	-	25	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	22.75	g/m ²	Internal Method
	Yield	-	44.0	m ² /kg	Internal Method
SURFACE OPTICAL	Haze	-	4.0	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
	Dynamic COF	Film/Film	0.70	-	Internal Method
	Wetting Tension	Film/Metal	0.22 38*	- dynes/cm	Internal Method ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	800 2000	kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD	200 70	%	ASTM D 882
	Elastic Modulus	- MD - TD	10000 22000	kg/cm ²	ASTM D 882
	Linear Shrinkage (max)	- MD - TD	5 3	%	ASTM D 1204
THERMAL	Heat Seal Range	-	95-140	°C	Internal Method
	Heat Seal Strength	-	1500	g/25mm	Internal Method (130°C/1sec/30psi)
BARRIER	WVTR 38° C 90% rh	-	8	g/m ² /day	ASTM F 1249
	OXTR 23° C 0% rh	-	140	cc/m ² /day	ASTM D 3985

* 38 dyne/cm guaranteed for 6 months from the invoice date in controlled ambient condition as mentioned in 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