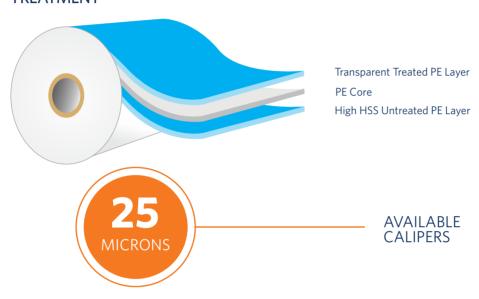
# LAST UPDATE 23-01-2023 | ISSUE 1/ REV 01

### **PROVISIONAL**

## TS25TIPE

**BOPP FILMS** 

# TRANSPARENT BIAXIALLY ORIENTED POLYETHYLENE FILM WITH ONE SIDE CORONA TREATMENT



### **DESCRIPTION**

TSPE is transparent biaxially oriented PE film. It is one side corona treated for printing and other side with broad heat seal range and very high seal strength surface; Especially designed with excellent clarity, gloss and controlled thickness for demanding high speed packaging applications.

### **PRODUCT FEATURES**

- Easy Tear
- Outstanding seal performance in term of strength, hot-tack and integrity
- Good Punture Resistance
- Excellent thickness spread, clarity and gloss mainly for Window application
- Superior Barrier Vis a Vis to traditional Blown PE
- Good Surface tension exhibits excellent Surface Printing

### **APPLICATIONS**

Can be used as top reverse Printed layer of laminate and sealant web of laminated structure as a replacement of CPP and Blown PE films;

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

### **PROVISIONAL**

	PROPERTIES	POSITION	TS25TIPE	UNIT	METHOD
GENERAL	Nominal Thickness Density Grammage Yield	- - -	25 0.95 23.75 42.1	μ g/cc g/m² m²/kg	Internal Method Internal Method Internal Method Internal Method
OPTICAL	Haze Gloss	- -	4 90	% GU	ASTM D 1003 ASTM D 2457
SURFACE	Dynamic COF Surface tension	Film/Film -	0.35 38	- dyne/cm	ASTM D 1894 ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD	450 900	kg/cm²	ASTM D 882
	Elongation (at break)	- MD - TD	300 100	%	ASTM D 882
	Elastic Modulus	- MD - TD	4000 10000	kg/cm²	ASTM D 882
THERMAL	Linear Shrinkage	- MD - TD	4.5 2	%	ASTM D 1204
	Heat Seal Range	Laminate (BOPP+BOPE)	3	g/25mm	Internal Method (130°C/1sec/30psi)
	Heat Seal Strength	Laminate (BOPP+BOPE)	5	g/25mm	Internal Method (140°C/1sec/30psi)
THERMAL	WVTR 38° C 90% rh OTR 23° C, 0% RH	-	15 5000*	g/m²/day cc/m²/day	ASTM F 1249 ASTMD 3985

<sup>\*</sup> The OTR value is more than instruement measurement capability; Excat OTR value is yet not available.

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  $30^{\circ}$ C & humidity  $55\pm5\%$  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