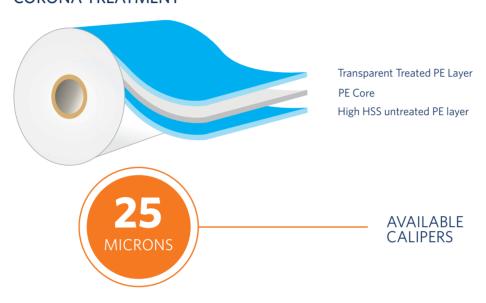
# LAST UPDATE 23-01-2023 | ISSUE 1/ REV 01

### **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
SURFACIOPTICAL	Haze Gloss	-	4 90	% GU	ASTM D 1003 ASTM D 2457
	Dynamic COF Surface tension	Film/Film -	0.35 38	- dyne/cm	ASTM D 1894 ASTM D 2578
MECHANICAL	Tensile Strength (at break) Elongation	- MD - TD - MD	700 1600 300	kg/cm²	ASTM D 882
	(at break) Elastic Modulus	- TD - MD - TD	90 6000 10000	% kg/cm²	ASTM D 882 ASTM D 882
THERMAL	Linear Shrinkage	- MD - TD	5 7	%	ASTM D 1204
	Heat Seal Strength	Laminate (BOPP+ BOPE)	3	kg/25mm	Internal Method (130°C/1sec/30psi)
	Heat Seal Strength	Laminate (BOPP+BOPE)	5	kg/25mm	Internal Method (140°C/1sec/30psi)
BARRIER	WVTR 38° C, 90% RH		15	g/m²/day	ASTM F 1249

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