

PROVISIONAL

TS25TIPE

BOPE FILMS

TRANSPARENT BIAXIALLY ORIENTED POLYETHYLENE FILM WITH ONE SIDE CORONA TREATMENT



DESCRIPTION

TSPE is transparent bi-axially oriented PE film. It is one side corona treated for printing and other side with untreated surface; especially designed with excellent mechanical properties, clarity, gloss and controlled thickness for demanding high speed packaging applications.

PRODUCT FEATURES

- Easy tear
- Good puncture resistance
- Excellent Mechanical properties
- Good Optical properties
- Excellent thickness spread, clarity and gloss
- Good Surface tension exhibits excellent Surface Printing

APPLICATIONS

Can be used as top reverse Printed layer of laminates;

- Bakery (Biscuits/ Cookie/ Crackers)
- Potato chips/ Snacks/ Crisp
- Frozen food
- Household & Detergents

NOMENCLATURE

TS25TIPE – Corona treated side is Inside & Untreated surface is Outside

TS25TOPE – Corona treated side is Outside & Untreated surface is Inside

TOPPAN SPECIALITY FILMS

	PROPERTIES	POSITION	TS25TPE	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	25	μ	Internal Method
	Density	-	0.96	g/cc	Internal Method
	GSM	-	24.0	g/m ²	Internal Method
	Yield	-	41.7	m ² /kg	Internal Method
OPTICAL	Haze	-	7.0	%	ASTM D 1003
	Gloss	-	80	GU	ASTM D 2457
SURFACE	Wetting Tension	-	38	dy/cm	ASTM D 2578
	COF	Film/Film	0.25	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	-MD -TD	1100 1700	kg/cm ²	ASTM D 882
	Elongation (at break)	-MD -TD	170 50	%	ASTM D 882
	Elastic Modulus	-MD -TD	11000 22000	kg/cm ²	ASTM D 882
	Linear Shrinkage (max)	-MD -TD	4.0 2.0	%	ASTM D 1204
THERMAL	Heat Seal Range	-	NA	°C	Internal Method
	Heat Seal Strength	-	NA	g/25mm	Internal Method

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. OPE 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.

FOOD CONTACT

OPE films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

SAFETY

Compliance with industrial health and safety standards. OPE 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.