

PROVISIONAL

## TDXTISPL

TRANSPARENT LAP SEALABLE BOPP FILM WITH LOW HEATSEAL TEMPERATURE, HIGH HOT TACK & HIGH HEAT SEAL STRENGTH ON MATT SURFACE AND CORONA TREATED ON OTHER SIDE FOR HIGH SPEED PACKAGING CONVERSION



Low Heat seal Matt surface- Untreated  
Tie Layer  
OPP Core Layer  
Tie Layer  
Corona Treated Glossy surface



AVAILABLE  
CALIPERS

### DESCRIPTION

TDXTISPL is transparent one side matt finish **BOPP** film. It is one side corona treated glossy surface & other side is low heat seal matte surface especially designed for high speed packaging where its wide seal operating window can be used on high speed machines. The paper like matte appearance provides satiny appearance and a differentiated shelf appeal.

### PRODUCT FEATURES

- Lap sealable
- Wide sealing range with low seal initiation temperature
- Good performance on HFFS & VFFS machines
- Good Wetting Tension
- Good printability and suitable for lamination with other substrate

### APPLICATIONS

- Confectionery (Chocolate/ Gum/ Sugar)
- Bakery (Biscuits/ Cookie / Crackers)
- Chips/ Snacks/ Pasta
- Health & Beauty care

### NOMENCLATURE

TDXTISPL - Corona treatment Glossy side is Inside, Matty untreated side is Outside  
TDXTOSPL - Corona treatment Glossy side is Outside, Matty untreated side is Inside

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	PROPERTIES	POSITION	TDX20TISPL	TDX25TISPL	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	20	25	μ	Internal Method
	Density	-	0.85	0.85	g/cc	Internal Method
	GSM	-	17.0	21.3	g/m <sup>2</sup>	Internal Method
	Yield	-	58.8	47.1	m <sup>2</sup> /kg	Internal Method
OPTICAL	Haze	-	65	68	%	ASTM D 1003
	Gloss (Matt side)	-	13		GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.50		-	Internal Method
	Wetting Tension	Gloss side	38*		dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD	1200 2500		kg/cm <sup>2</sup>	ASTM D 882
	Elongation (at break)	-MD -TD	170 60		%	ASTM D 882
	Elastic Modulus	-MD -TD	18000 28000		kg/cm <sup>2</sup>	ASTM D 882
THERMAL	Linear Shrinkage	-MD -TD	4 2		%	ASTM D 1204
	Seal Initiation Temp.	-	108		-	Internal Method
	Heat Seal Strength	-	400	450	-	Internal Method

\* 38 dyne/cm guaranteed for 4 months from the invoice date in controlled ambient condition as per below 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 except for wetting tension