

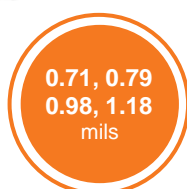
## TDX

### BOPP FILMS

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  
OPP core  
Corona treated glossy surface



### AVAILABLE CALIPERS

### DESCRIPTION

OPP TDX is transparent one side matt finish **BOPP** film. It is one side corona treated glossy surface & other side is low heatseal 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
- Matte appearance and differentiated shelf appeal
- Good crease resistance for shelf appeal
- Good performance on HFFS & VFFS machines
- Good printability and suitable for lamination with other substrates

### APPLICATIONS

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

### NOMENCLATURE

TDXTI – Corona treated Glossy surface Inside, Untreated heat sealable Matty surface Outside  
TDXTO – Corona treated Glossy surface Outside, Untreated heat sealable Matty surface Inside

	PROPERTIES	POSITION	TDX18TI	TDX20TI	TDX25TI	TDX30TI	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	0.71	0.79	0.98	1.18	mils	Internal Method
	Density	-	0.91	0.91	0.91	0.91	g/cc	Internal Method
	GSM	-	3.36	3.73	4.66	5.59	lb/1000ft <sup>2</sup>	Internal Method
	Yield	-	42887	38669	30935	26014	in <sup>2</sup> /lb	Internal Method
OPTICAL	Haze	-		75			%	ASTM D 1003
SURFACE	COF (Dynamic)	Film / Film		0.40			-	ASTM D 1894
	Wetting Tension	-		40*			dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD -TD		17068 35558			psi	ASTM D 882
	Elongation (at break)	-MD -TD		200 70			%	ASTM D 882
	Elastic Modulus	-MD -TD		256019 398252			psi	ASTM D 882
THERMAL	Linear Shrinkage	-MD -TD		4 2			%	ASTM D 1204
	Heat Seal Range	-		239 – 293			°F	Internal Method
	Heat Seal Strength	-		1.0			lb/in	Internal Method (130°C/1sec/30psi)

\* 38 dyne/cm guaranteed for 6 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 corona treated layer surface tension