

## PROVISIONAL

**T20TIESPL**

## BOPP FILMS

TRANSPARENT PLAIN 20 $\mu$  BOPP FILM CORONA TREATED SURFACE SPECIFICALLY DESIGNED TO PROVIDED EXCELLENT INK AND LAMINATION BOND STRENGTH



Special Corona Treated Layer For Excellent Ink Adhesion

OPP Core

Glossy Plain Non Heat Sealable Surface



AVAILABLE  
CALIPERS

**DESCRIPTION**

OPP T20TIESPL is transparent plain BOPP. Its corona treated side specifically formulated with special polymer for improved ink adhesion and lamination bond strength. Untreated surface is plain non heat sealable with good slip properties.

**PRODUCT FEATURES**

- Excellent ink adhesion on corona treated side
- Good optical properties
- Good stiffness and mechanical properties
- Non toxic

**APPLICATIONS**

To be used as a single web or in laminate structures.

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Frozen food
- Health and beauty care
- Household and detergents

## PROVISIONAL

	PROPERTIES	POSITION	T20 TIESPL	UNIT	METHOD
GENERAL	Nominal Thickness	-	20	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	18.25	g/m <sup>2</sup>	Internal Method
	Yield	-	54.9	m <sup>2</sup> /kg	Internal Method
OPTICAL	Haze	-	2.5	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	COF	Utr/Metal	0.30	-	ASTM D 1894
	Wetting Tension	-	38*	dyne/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	200 70	%	ASTM D 882
	Elastic Modulus	- MD	18000	kg/cm <sup>2</sup>	ASTM D 882
		- TD	28000		
THERMAL	Linear Shrinkage (max)	- MD	4	%	ASTM D 1204
		- TD	2	%	
BARRIER	WVTR 38° C 90% rh	-	7.5	g/m <sup>2</sup> /day	ASTM F 1249

\* 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