

**PL****BOPP FILMS**

TRANSPARENT CO-EX BOPP FILM CORONA TREATED ONE SIDE & OTHER SIDE  
UNTREATED SURFACE IS PEELABLE SEAL TO ITSELF AND TO PP SURFACE FOR  
LIDDING APPLICATION

**DESCRIPTION**

OPP PL is transparent co-extruded **BOPP** film. It is one side heat sealable corona treated surface and other side is untreated surface specially designed to attribute excellent seal and peel surface for both heat sterilized and not heat sterilized lidding applications range. Untreated surface is attribute peelable seal to itself and to PP surface e.g. cup & tray for lidding applications.

**PRODUCT FEATURES**

- Excellent Peelable seal to itself or to PP surface
- Good printability and suitable for lamination with other substances
- Good stiffness and mechanical properties

**APPLICATIONS**

Can be used as a single web or inside layer of laminate structures

- Dairy products
- Disposable cup & tray
- Health and beauty care
- Bakery (biscuits/cookie/crackers)

	PROPERTIES	POSITION	TS20TOPL	TS40TOPL	UNIT	METHOD
GENERAL	Nominal Thickness	-	20	40	μ	Internal Method
	Density	-	0.91	0.91	g/cc	Internal Method
	Grammage	-	18.2	36.4	g/m <sup>2</sup>	Internal Method
	Yield	-	54.9	27.5	m <sup>2</sup> /kg	Internal Method
SURFACE OPTICAL	Haze	-	32	44	%	ASTM D 1003
	COF (Dynamic)	Film/Film	0.40	0.40	-	ASTM D 1894
	Wetting Tension	-	38	38	dy/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1200	1200	kg/cm <sup>2</sup>	ASTM D 882
		- TD	2600	2600		
	Elongation (at break)	- MD	200	200	%	ASTM D 882
		- TD	70	70		
	Elastic Modulus	- MD	16000	16000	kg/cm <sup>2</sup>	ASTM D 882
		- TD	28000	28000		
THERMAL	Linear Shrinkage (max)	- MD	4	4	%	ASTM D 1204
		- TD	2	2		
	Peelable seal force to itself (Min.)	-	300-350	300-350	g/25mm	Internal Method (130°C/1sec/30psi)
BARRIER	Peelable seal force to PP surface (Min.)	-	300-350	300-350	g/25mm	Internal Method (130°C/1sec/30psi)
	WVTR 38° C 90% rh	-	7.5	3.5	g/m <sup>2</sup> /day	
	OXTR 23° C	-	2800	2100	cc/m <sup>2</sup> /day	

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
- Please make sure printing surface is well dried before lamination