

## LS-I

### BOPP FILMS

#### TRANSPARENT LAP SEALABLE BOPP FILM CORONA TREATED ONE SIDE FOR LAP SEAL CONVERSION



Print Non Heat Sealable Corona Treated Surface

OPP Core

Lap Sealable Surface



AVAILABLE  
CALIPERS

#### DESCRIPTION

LS-I is transparent lap sealable **BOPP** film. It is corona treated one side for printing/lamination and untreated surface is lap sealable with other sealant substrates.

#### PRODUCT FEATURES

- Lap Sealable
- Remarkable performance on HFFS & VFFS machines
- Good optical properties
- Good stiffness and mechanical properties
- Non toxic

#### APPLICATIONS

Typically used as a outer web of lap seal laminates for VFFS & HFFS applications

- Chips and snacks
- Bakery (Biscuits/cookie/crackers)
- Confectionary ( chocolate/gum/sugar)
- Dry food and powders
- Ice cream and frozen food

	PROPERTIES	POSITION	LS12TI-P	LS20TI-P	UNIT	METHOD
GENERAL	Nominal Thickness	-	12	20	μ	Internal Method
	Density	-	0.91	0.91	g/cc	Internal Method
	Grammage	-	10.92	18.2	g/m <sup>2</sup>	Internal Method
	Yield	-	91.6	54.9	m <sup>2</sup> /kg	Internal Method
SURFACE OPTICAL	Haze	-	2.5	2.5	%	ASTM D 1003
	Gloss	-	95	95	GU	ASTM D 2457
	COF	Film/Metal	0.30	0.30	-	ASTM D 1894
	Wetting Tension	-	38*	38*	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1300	1300	kg/cm <sup>2</sup>	ASTM D 882
		- TD	2700	2700		
	Elongation (at break)	- MD	190	190	%	ASTM D 882
		- TD	60	60		
THERMAL	Elastic Modulus	- MD	18000	18000	kg/cm <sup>2</sup>	ASTM D 882
		- TD	28000	28000		
	Linear Shrinkage	- MD	4	4	%	ASTM D 1204
		- TD	2	2		
	Heat Seal Range	-	101-145	101-145	°C	Internal Method
	Heat Seal Strength	-	350	350	g/25mm	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