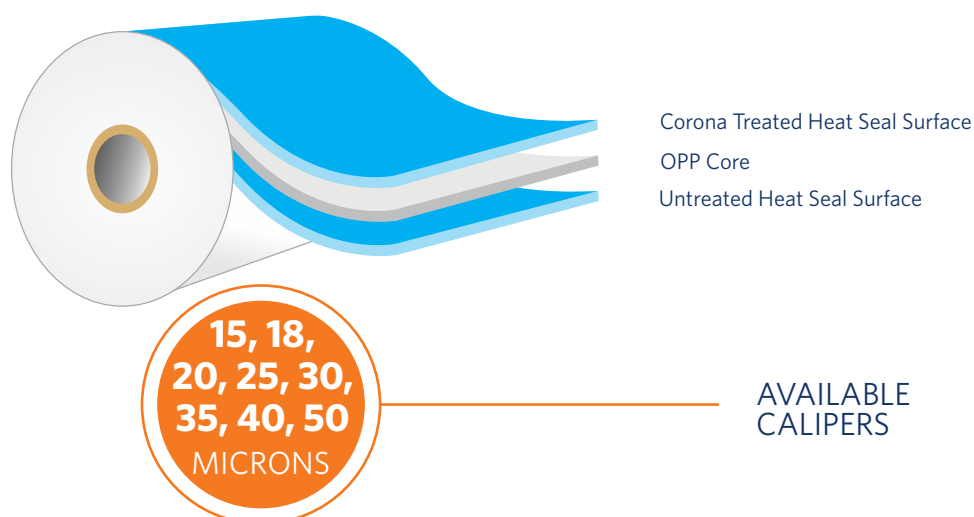


TSTI

BOPP FILMS

TRANSPARENT HEAT SEALABLE CORONA TREATED ONE SIDE FOR CONVERSION



DESCRIPTION

OPP TSTI is transparent co-extruded both side heat sealable **BOPP** film. It is one side corona treated and both side heat sealable. Untreated heat seal surface have good seal strength and sealing range which gives optimum performance on wide range of packaging machines.

PRODUCT FEATURES

- Good sealing properties
- Good performance on HFFS & VFFS machines
- Good printability and suitable for lamination with other substances
- Good optical properties
- Good stiffness and mechanical properties

APPLICATIONS

Can be used as a single web or in laminate structures

- Confectionery (chocolate/gum/sugar)
- Bakery (biscuits/cookie/crackers)
- Chips/Snacks/Pasta
- Health and beauty care
- Household and detergents

	PROPERTIES	POSITION	TS15TI	TS18TI	TS20TI	TS25TI	TS30TI	TS35TI	TS40TI	TS50TI	UNIT	METHOD
GENERAL	Nominal Thickness	-	15	18	20	25	30	35	40	50	μ	Internal Method
	Density	-	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	g/cc	Internal Method
	Grammage	-	13.65	16.38	18.2	22.75	27.3	31.85	36.4	45.5	g/m ²	Internal Method
	Yield	-	73.3	61.1	54.9	44.0	36.6	31.4	27.5	22.0	m ² /kg	Internal Method
SURFACE OPTICAL	Haze	-	2.5	2.5	2.5	2.5	3	3.2	3.5	4	%	ASTM D 1003
	Gloss	-				90					GU	ASTM D 2457
	COF (Dynamic)	Film/Film					0.45				-	ASTM D 1894
	Wetting Tension	-					38				dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD - TD					1300 2700				kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD					200 60				%	ASTM D 882
	Elastic Modulus	- MD - TD					18000 32000				kg/cm ²	ASTM D 882
	Linear Shrinkage (max)	- MD - TD					4 2				%	ASTM D 1204
THERMAL	Heat Seal Range	-					115-145				°C	Internal Method
	Seal Strength	-	350	350	400	420	420	450	450	450	g/25mm	Internal Method (130°C/1sec/30psi)

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