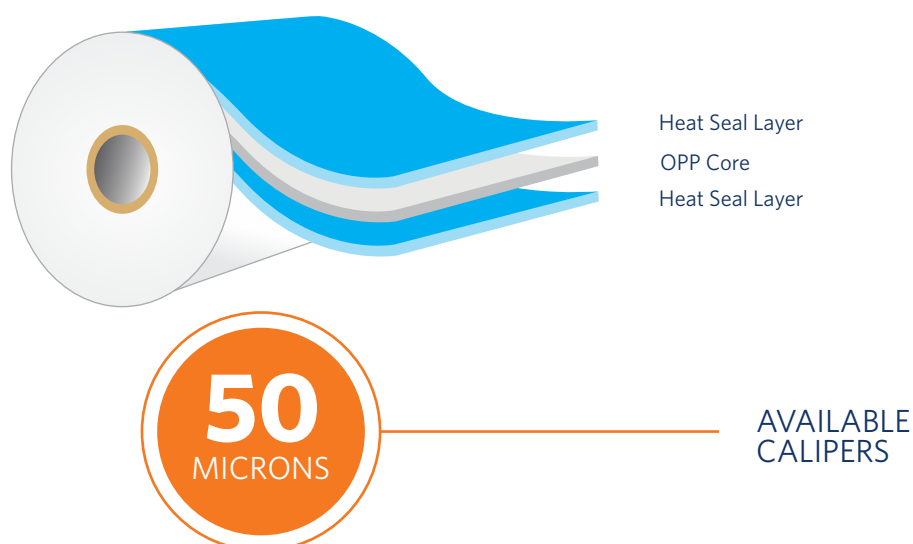


TS50

BOPP FILMS

TRANSPARENT HEAT SEALABLE LOW STATIC GRADE FOR OVERWRAP APPLICATION



DESCRIPTION

OPP TS is transparent heat sealable on either side **BOPP** film. It is specially designed for unprinted overwrapping applications where machinability is a key factor.

PRODUCT FEATURES

- Specially formulated for unprinted overwrap applications
- Consistent and stable slip
- Excellent stiffness and mechanical properties
- Excellent anti-blocking characteristics for use in vending machines
- Good anti-static and hot slip capability
- Good optical properties
- Good aroma and moisture barrier

APPLICATIONS

Unprinted overwrap

- Carton Overwrap
- IV Fluid bottles
- Stationary
- Household and Industrial Use

	PROPERTIES	POSITION	TS50	UNIT	METHOD
GENERAL	Nominal Thickness	-	50	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	45.5	g/m ²	Internal Method
	Yield	-	22	m ² /kg	Internal Method
OPTICAL	Haze	-	4.5	%	ASTM D 1003
	Gloss	-	88	GU	ASTM D 2457
SURFACE	COF (Dynamic)	Film/Film	0.20	-	ASTM D 1894
	COF (Dynamic)	Film/Metal	0.20	-	ASTM D 1894
	Wetting Tension	-	38*	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1100	kg/cm ²	ASTM D 882
		- TD	2700		
	Elongation (at break)	- MD	230	%	ASTM D 882
		- TD	50		
THERMAL	Elastic Modulus	- MD	16000	kg/cm ²	ASTM D 882
		- TD	30000		
	Linear Shrinkage	- MD	4	%	ASTM D 1204
		- TD	1		
	Heat Seal Range	-	105-145	°C	Internal Method
	Heat Seal Strength	-	500	g/25mm	Internal Method (130°C/1sec/30psi)

* 38 dyne/cm guaranteed for 3 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