

## TS50PRN-I

TRANSPARENT HEAT SEALABLE 50 MICRON BOPP FILM PRINTABLE  
GRADE FOR OVERWRAP APPLICATIONS - INSIDE PRINTABLE



Corona treated Heat Seal layer  
Modified OPP Tie Layer  
Modified OPP Core  
Modified OPP Tie Layer  
Slip modified Heat Seal layer



AVAILABLE  
CALIPERS

### DESCRIPTION

OPP TSPRN-I is transparent co-extruded both side heat sealable **BOPP** film. It is one side corona treated and both side heat sealable. It is specially designed for printed overwrapping applications where Machinability is a key factor.

### PRODUCT FEATURES

- Good Sealing Properties
- Good Anti-static & slip property
- Good Optical properties
- Good Stiffness and Mechanical Properties
- Good performance on HFFS & VFFS machines

### APPLICATIONS

For Bundle Overwrap and other printable Overwrap (Non Shrink);

- Confectionary (chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)
- Health care & Beauty care
- Household and detergents

	PROPERTIES	POSITION	TS50PRN-I	UNITS	TEST METHOD
GENERAL	Nominal Thickness	-	50	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	GSM	-	45.5	g/m <sup>2</sup>	Internal Method
	Yield	-	22.0	m <sup>2</sup> /kg	Internal Method
OPTICAL	Haze	-	3.0	%	ASTM D 1003
	Gloss	-	90	GU	ASTM D 2457
SURFACE	Dynamic COF	Film/Film	0.30	-	Internal Method
		Film/Metal	0.25	-	Internal Method
	Wetting Tension	-	38	dynes/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	-MD	1300	kg/cm <sup>2</sup>	ASTM D 882
		-TD	2700		
	Elongation (at break)	-MD	200	%	ASTM D 882
		-TD	60		
THERMAL	Elastic Modulus	-MD	18000	kg/cm <sup>2</sup>	ASTM D 882
		-TD	32000		
	Linear Shrinkage (max)	-	4	%	ASTM D 1204
		-	2		
BARRIER	Heat Seal Range	-	115-145	°C	Internal Method
	Heat Seal Strength	-	450	g/25mm	Internal Method (130°C/1sec/30psi)
	WVTR (38°C,90% rh)	-	4	g/m <sup>2</sup> /day	ASTM F 1249

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