

## TSXPF

### BOPP FILMS

TRANSPARENT SILK MATT ONE SIDE CORONA TREATED BOTH SIDES FOR PRINT FINISH APPLICATION



Corona Treated Silk Matt Surface

OPP Core

Corona Treated Glossy Surface

13, 15  
MICRONS

AVAILABLE  
CALIPERS

### DESCRIPTION

OPP TSXPF is transparent silk matt **BOPP** film having one side corona treated silk matt surface and other side corona treated glossy surface. It is developed for providing protection and good presentation to printed material.

### PRODUCT FEATURES

- Silk/Satin matt appearance
- Can be laminated with other substrates
- Excellent stiffness and mechanical properties
- Robust Machinability
- Low static
- Water/oil/grease resistant

### APPLICATIONS

To be laminated on various type of printed/unprinted items for providing long life and good presentation

- Posters
- Carton box
- Maps
- Magazines/books
- Folios'
- Certificates and important documents etc.

	PROPERTIES	POSITION	TSX13TTPF	TSX15TTPF	UNIT	METHOD
GENERAL	Nominal Thickness	-	13	15	μ	Internal Method
	Density	-	0.87	0.87	g/cc	Internal Method
	Grammage	-	11.31	13.05	g/m <sup>2</sup>	Internal Method
	Yield	-	88.4	76.6	m <sup>2</sup> /kg	Internal Method
SURFACE OPTICAL	Haze	-	40	40	%	ASTM D 1003
	COF (Dynamic)	Film/Film	0.40	0.40	-	ASTM D 1894
	Wetting Tension	-	38*	38*	dyne/cm	ASTM D 2578
MECHANICAL	Tensile Strength (at break)	- MD	1100	1100	kg/cm <sup>2</sup>	ASTM D 882
		- TD	2200	2200		
	Elongation (at break)	- MD	180	180	%	ASTM D 882
		- TD	60	60		
	Elastic Modulus	- MD	12000	12000	kg/cm <sup>2</sup>	ASTM D 882
		- TD	24000	24000		
THERMAL	Linear Shrinkage (max)	- MD	5	5	%	ASTM D 1204
		- TD	3	3		

\* 38 dyne/cm guaranteed for 3 months from delivery in controlled ambient conditions as per 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 comply 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 except for wetting tension