

## BOPP FILM FOR PRINTING & POUCHING



**TREATED HS LAYER**

**CORE LAYER**

**UNTREATED HS LAYER**  
(SIT 95° C)

### DESCRIPTION :

Transparent Heat Sealable One Side Corona Treated Very Low Temp. Sealing Grade Film

### SALIENT FEATURES

- Good Antistatic & Slip Properties
- Seals at Very Low Temp. (Low SIT 95°C), Hence Broader
- Excellent Machinability
- Two Ply Printing Lamination Application for High Speed
- Runability on HFFS m/c
- Optimal COF
- Good Optics
- Improved Lap Seal Strength

### APPLICATION

- Printing & Pouching of Snacks/Bakery/Confectionaries

Properties	Test Method	Unit	Typical Values						
------------	-------------	------	----------------	--	--	--	--	--	--

### PHYSICAL

Thickness	ASTM D374	Micron (±3%)	15	18	20	25	30	35	40
		(Gauge)	60	72	80	100	120	140	160
Grammage	SPLTM	gm/m <sup>2</sup>	13.7	16.4	18.2	22.8	27.3	31.9	36.4
Yield	SPLTM	m <sup>2</sup> /kg	73.3	61.1	54.9	44.0	36.6	31.4	27.5
		in <sup>2</sup> /lb	51507	42922	38630	30904	25753	22074	19315
Density	ASTM D1505	gm/cc	0.91						

### SURFACE

Treatment Level	ASTM D2578	dyne/cm	38						
-----------------	------------	---------	----	--	--	--	--	--	--

### OPTICAL

Haze (Max)	ASTM D1003	%	1.8 - 2.8						
Gloss at 45°Deg.	ASTM D 2457	-	90 - 85						

### MECHANICAL

Coefficient of Friction- Max (UTR/UTR) (Dynamic)	ASTM D1894	-	0.28 (±0.05)						
Tensile Strength at Break	ASTM D882	kg/cm <sup>2</sup>	MD	1100 - 1400					
			TD	2200 - 2700					
Elongation at Break	ASTM D882	%	MD	150 - 200					
			TD	40 - 60					

### THERMAL

Linear Shrinkage (120°C/5min)	ASTM D1204	%	MD	6.0					
			TD	3.0					
Heat Seal Initiation Temperature (SIT)	SPLTM	°C	95						
Heat Seal Strength	SPLTM	gms/25mm	350	375	375	400	400	425	450

### BARRIER

Water Vapour Transmission Rate (38°C & 90% RH)	ASTM E398	g/m <sup>2</sup> /day	7.0	6.8	6.5	6.0	5.7	5.5	5.0
Oxygen Gas Transmission Rate (23°C & 0% RH)	ASTM D882	cc/m <sup>2</sup> /day	2000	1800	1800	1700	1600	1500	1300

### DISCLAIMER

The specified values are based on average results, measured by the manufacturer during standard production. They should not be considered as Data Sheet of any particular product. The user is solely responsible for all determinations by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Satyendra Packaging Ltd disclaims any liability for damages arising from the non-suitability of the product for the effected application.

### Food Contact

The BOPP Film complies with all national and international standards and requirements for food contact. Specific declaration of compliances are available upon request.

### Storage & Handling

The products should be stored at temperature of 10-30 deg C and a low humidity (below 70% RH) in dry & covered warehouse for longer shelf life.

**SPLTM** : SATYENDRA PACKAGING LTD TEST METHOD  
**ASTM** : AMERICAN SOCIETY FOR TESTING AND MATERIALS

**MD** : MACHINE DIRECTION  
**TD** : TRANSVERSE DIRECTION

**UTR** : UNTREATED