

## BOPP FILM FOR PRINTING & LAMINATION



TREATED NON HS LAYER

CORE LAYER

UNTREATED NON HS LAYER

### DESCRIPTION :

Transparent Non Heat Sealable One Side Corona Treated Printing & Lamination Grade Film

### SALIENT FEATURES

- High Surface Gloss & Transparency
- Excellent Surface Treatment Retention
- Excellent Anchorage of Lamination Adhesive Printing Ink
- Excellent Machinability
- Good Half-Tone Dot Transfer
- Print Repeatability
- Good Slip & Antistatic Properties
- Excellent Clarity & Suitable for Various Printing /Lamination Machines

### APPLICATION

- Bakery
- Confectionaries
- Snacks

Properties	Test Method	Unit	Typical Values						
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### PHYSICAL

Thickness	ASTM D374	Micron (±3%)	12	15	18	20	25	30	35
		(Gauge)	48	60	72	80	100	120	140
Grammage	SPLTM	gm/m <sup>2</sup>	10.9	13.7	16.4	18.2	22.8	27.3	31.9
Yield	SPLTM	m <sup>2</sup> /kg	91.6	73.3	61.1	54.9	44.0	36.6	31.4
		in <sup>2</sup> /lb	64384	51507	42922	38630	30904	25753	22074
Density	ASTM D1505	gm/cc	0.91						

### SURFACE

Treatment Level	ASTM D2578	dyne/cm	38						
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### OPTICAL

Haze (Max)	ASTM D1003	%	1.5 - 2.5						
Gloss at 45 <sup>o</sup> Deg	ASTM D 2457	Gardner	94 - 92						

### MECHANICAL

Coefficient of Friction- Max (UTR/UTR) (Dynamic)	ASTM D1894	-	0.30 (±0.05)							
Tensile Strength at Break	ASTM D882	kg/cm <sup>2</sup>	MD	1250						
			TD	2500						
Elongation at Break	ASTM D882	%	MD	160						
			TD	60						

### THERMAL

Linear Shrinkage (120°C/5min)	ASTM D1204	%	MD	6.0						
			TD	3.0						

### BARRIER

Water Vapour Transmission Rate (38°C & 90% RH)	ASTM F-1249	g/m <sup>2</sup> /day	7.4	7.0	6.8	6.5	6.0	5.7	5.0
			Oxygen Gas Transmission Rate (23°C & 0% RH)	ASTM D-3985	cc/m <sup>2</sup> /day	2300	2000	1800	1800

### 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

### Corporate Office :

B-19, Privilon, Behind ISKCON Temple, Ambli-Bopal Road,  
S.G. Highway, Ahmedabad, Gujarat, India - 380054

### Factory Address :

Satyendra Packaging Ltd., Survey No. 585, Khata No. 556, Nr. Krishna Dham,  
Mahudha-Dakor Road, Bordi, Dist.-Kheda, Gujarat, India - 388225"