

METALLIZED HEAT SEALABLE HIGH BARRIER BOPP FILM



VACUUM METALLIZED NON HS LAYER
MODIFIED TRANSPARENT INNER LAYER
CORE LAYER
UNTREATED ULTRA LOW SIT HS LAYER (SIT 85° C)

DESCRIPTION :
METALLIZED HEAT SEALABLE HIGH BARRIER BOPP FILM WITH ULTRA LOW SIT (85°C)

SALIENT FEATURES

- Excellent Metal Appearance
- Good Metal Adhesion
- Enhanced Extrusion/Adhesive Bond Strength
- Good Anchorage of Lamination Adhesive on Metallized Side
- Good Dimensional Stability
- Excellent Runability on High Speed HFFS m/c
- Wider Heat Sealable Range Low SIT (85°C)
- Good Barrier Properties (OTR, WVTR) Which Helps in Increasing 25% Shelf Life of Packed Products

APPLICATION

- Printing / lamination, Single / Two Ply Structure for Biscuits / Cookies/Crackers / Tea Bag Liners / Confectionary Pouches

Properties	Test Methods	Unit	Typical Values			
------------	--------------	------	----------------	--	--	--

PHYSICAL

Thickness	ASTM D374	Micron (±3%)	15	18	20	25
		(Gauge)	60	72	80	100
Grammage	SPLTM	gm/m ²	13.7	16.4	18.2	22.8
Yield	SPLTM	m ² /kg	73.3	61.1	54.9	44.0
		in ² /lb	51507	42922	38630	30904
Density	SPLTM	gm/cc	0.91			

OPTICAL

Optical Density (Tolerance ±5%)	SPLTM	-	2.8			
---------------------------------	-------	---	-----	--	--	--

MECHANICAL

Coefficient of Friction- Max (UTR/UTR) (Dynamic)	ASTM D1894	-	0.30-0.40			
Tensile Strength at Break	ASTM D882	kg/cm ²	MD	1100 - 1200		
			TD	2000 - 2500		
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	85			
Heat Seal Strength	SPLTM	gms/25mm	400	450	450	475

BARRIER

Water Vapour Transmission Rate (38°C & 90% RH)	ASTM F-1249	g/m ² /day	0.1	0.1	0.1	0.1
Oxygen Gas Transmission Rate (23°C & 0% RH)	ASTM D-3985	cc/m ² /day	20	20	20	20

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