

BOPP HEAT SEALABLE HIGH COF GRADE FILM



TREATED HS LAYER
CORE LAYER
UNTREATED HS HIGH COF LAYER

DESCRIPTION :

Transparent Heat Sealable One Side Corona Treated & Consistent High COF on Sealing Side

SALIENT FEATURES

- Consistently High COF (0.50) & Antiskid Functionality
- Good Optics
- Good Dimensional Stability
- Excellent Printability
- Good Machinability
- Good Extrusion Bond
- Excellent Pallet Stability of Bulk Packs

APPLICATION

- Pet Food & Rice Bags, Heavy Duty Bags

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

PHYSICAL

Thickness	ASTM D374	Micron (±3%)	17	18	20	25	30	35
		(Gauge)	68	72	80	100	120	140
Grammage	SPLTM	gm/m ²	15.5	16.4	18.2	22.8	27.3	31.9
Yield	SPLTM	m ² /kg	64.6	61.1	54.9	44.0	36.6	31.4
		in ² /lb	45447	42922	38630	30904	25753	22074
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 ⁰ Deg.	ASTM D 2457	-	90 - 85					

MECHANICAL

Coefficient of Friction- Max (UTR/UTR) (Dynamic)	ASTM D1894	-	0.50					
Tensile Strength at Break	ASTM D882	kg/cm ²	MD	1100 - 1400				
			TD	2200 - 2700				
Elongation at Break	ASTM D882	%	MD	150 - 200				
			TD	40 - 60				

THERMAL

Linear Shrinkage (120 ⁰ C/5min)	ASTM D1204	%	MD	6.0				
			TD	3.0				
Heat Seal Initiation Temperature (SIT)	SPLTM	°C	105					
Heat Seal Strength	SPLTM	gms/25mm	325	350	350	375	400	425

BARRIER

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

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