JINDAL POLY FILMS LTD.
(FORMERLY JINDAL POLYESTER LTD.)

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TECHNICAL DATA SHEET
OPP FILMS

TRANSPARENT BOTH SIDE HEAT SEALABLE BOTH SIDE TREATED

JS18/20/25/30/35H2-OW

STRUCTURAL CONFIGURATION

-- CORONA TREATED HEAT SEAL SKIN
-- MODIFIED TRANSPARENT INNER SKIN
-- TRANSPARENT CORE
-- MODIFIED TRANSPARENT INNER SKIN
-- CORONA TREATED HEAT SEAL SKIN

APPLICATIONS :

BOTH SIDE HEAT SEAL TREATED FILM FOR VARIOUS PRINTED OVER WRAP APPLICATIONS LIKE CASSETTE / CD / PAPER BOARD BOXES / CABLE ETC.

DESCRIPTION :

Transparent, Both Side Heat Sealable, Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Various Overwrap Application. The film is treated on both the sides for facilitating printing prior to over wrapping. Both treated heat seal sides are specifically designed for providing excellent hot tack and seal strength on high speed overwrap machines. The slip and antistatic properties are well balanced for providing excellent machinability during overwrapping process. Low heat seal initiation characteristic of the film is help to utilise the maximum operating speed of overwrap machine without compromising on sealing properties.

SALIENT FEATURES :

- Very High Hot-Tack and Seal Strength on Both Sides
- High Surface Gloss and Transparency
- Excellent Adhesion of Inks and Coatings on Treated Side
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Machinability on High Speed Overwrap Machines
- Excellent Mechanical Properties
- Excellent Dimensional Stability

JINDAL

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT		JS18H2-OW	JS20H2-OW	JS25H2-OW	JS30H2-OW	JS35H2-OW
PHYSICAL								
Thickness	ASTM D 374	Micron		18	20	25	30	35
Grammage	JPFTM	gm/m^2		16.4	18.2	22.7	27.3	31.8
Yield	JPFTM	m^2/kg		60.9	55.0	44.0	36.6	31.4
SURFACE								
Treatment Level (Min)	ASTM D 2578	dyne/cm		38 / 38	38 / 38	38 / 38	38 / 38	38 / 38
OPTICAL								
Haze (Max)	ASTM D 1003	%		2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45^0 Angle	ASTM D 2457	-		90	90	90	90	90
MECHANICAL								
Coefficient of Friction (Max)	ASTM D 1894	Static		0.30	0.30	0.30	0.30	0.30
		Kinetic		0.28	0.28	0.28	0.28	0.28
Tensile Strength (Min)	ASTM D 882	kg/cm^2	MD	1400	1400	1500	1500	1500
			TD	2650	2650	3000	3000	3000
Modulus (Min)	ASTM D 882	kg/cm^2	MD	18000	18000	19000	19000	19000
			TD	29000	29000	30000	30000	30000
Elongation (Max)	ASTM D 882	%	MD	160	160	150	150	150
			TD	60	60	50	50	50
THERMAL								
Shrinkage (Max) at 120^0C / 5 min	JPFTM	%	MD	3.5	3.5	3.5	3.5	3.5
			TD	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	^0C		120	120	120	120	120
Sealing Strength (Min) at 120^0C / 2 Bar	JPFTM	gms/25mm		400	400	400	400	400
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$		6.5	6.0	5.0	4.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$		1850	1800	1700	1600	1500

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION