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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

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 – Inside / Outside	ASTM D 2578	dyne/cm	39 / 38	39 / 38	39 / 38	39 / 38	39 / 38
OPTICAL							
Haze	ASTM D 1003	%	2.0	2.0	2.2	2.2	2.3
Gloss at 45^{0}Angle	ASTM D 2457	-	87	87	87	87	87
MECHANICAL							
Coefficient of Friction – Max. (Film / Film) – any side	ASTM D 1894	Kinetic	0.28	0.28	0.28	0.28	0.28
Tensile Strength	ASTM D 882	kg/cm^2 MD	1200	1200	1200	1200	1200
		kg/cm^2 TD	2700	2700	2700	2700	2700
Modulus	ASTM D 882	kg/cm^2 MD	18000	18000	18000	18000	18000
		kg/cm^2 TD	28000	28000	28000	28000	28000
Elongation	ASTM D 882	% MD	195	195	195	195	195
		% TD	65	65	65	65	65
THERMAL							
Shrinkage at 120^{0}C / 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	JPFTM	^{0}C	120	120	120	120	120
Sealing Strength at 125^{0}C / 2 Bar	JPFTM	gms/25mm	350	375	400	425	450
BARRIER							
Water Vapour Transmission Rate	ASTM F 1249	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

The values provided in the Technical Data Sheet are typical performance data and are believed to be accurate. These are given in good faith, but users are advised to conduct their own tests on representative samples and not on the actual product dispatched. JINDAL POLY FILMS LIMITED doesn't guarantee or warranty typical values and fitness for its use for a specific purpose. 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.

Storage & Handling: It is a fact that dyne level decays over time in BOPP films and the decay is further aggravated with extreme environmental conditions. If film rolls are to be stored for a long time, it is preferable to maintain a constant, preferably low temperature (below 30°C) and a low humidity (below 70% RH) to maximize shelf life of the product & to minimize dyne level decay.

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