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**TECHNICAL DATA SHEET
 OPP FILMS**

TRANSPARENT BOTH SIDE LOW HEAT SEALABLE UNTREATED

JS18/20/25/30/35H0-OW

STRUCTURAL CONFIGURATION



- **UNTREATED LOW HEAT SEAL SKIN**
- **MODIFIED TRANSPARENT INNER SKIN**
- **TRANSPARENT CORE**
- **MODIFIED TRANSPARENT INNER SKIN**
- **UNTREATED LOW HEAT SEAL SKIN**

APPLICATIONS :

BOTH SIDE LOW HEAT SEAL UNTREATED FILM FOR VARIOUS OVERWRAP APPLICATIONS LIKE CASSETTE / CD / PAPER BOARD BOXES / CABLE ETC.

DESCRIPTION :

Transparent, Both Side Low Heat Seal, Untreated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Various Overwrap Application. Both untreated low 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 :

- Low Heat Seal Initiation Temperature
- Very High Hot-Tack and Seal Strength on Both Sides
- High Surface Gloss and Transparency
- Very Good Barrier Properties
- Excellent Slip and Antistatic Properties
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS18H0-OW	JS20H0-OW	JS25H0-OW	JS30H0-OW	JS35H0-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	-	-	-	-	-
OPTICAL							
Haze (Max)	ASTM D 1003	%	2.0	2.0	2.0	2.0	2.0
Gloss (Min) at 45° 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°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 (Max)	JPFTM	°C	110	110	110	110	110
Sealing Strength (Min) at 120°C / 2 Bar	JPFTM	gms/25mm	600	600	550	550	550
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

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any particular use.