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**TECHNICAL DATA SHEET  
OPP FILMS**

**TRANSPARENT BOTH SIDE HEAT  
SEALABLE ONE SIDE CORONA TREATED**

**JS15/18/20/25/30/35/40H1**

**STRUCTURAL CONFIGURATION**

- CORONA TREATED HEAT SEALABLE SKIN
- MODIFIED TRANSPARENT INNER SKIN
- TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

**APPLICATIONS :**

TRANSPARENT, BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

**DESCRIPTION :**

Transparent, Both Side Heat Sealable, One Side Corona Treated OPP Film with Excellent Barrier, Clarity, Slip and Antistatic Properties for Single / Two Ply Printing Laminate Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesive during conversion. Both the sides exhibit excellent hot-tack and seal strength.

**SALIENT FEATURES :**

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



# TECHNICAL DATA SHEET

PROPERTIES	TEST METHOD	UNIT	JS15H1	JS18H1	JS20H1	JS25H1	JS30H1	JS35H1	JS40H1
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	15	18	20	25	30	35	40
Grammage	JPFTM	gm/m <sup>2</sup>	13.7	16.4	18.2	22.7	27.3	31.8	36.4
Yield	JPFTM	m <sup>2</sup> /kg	73.0	60.9	55.0	44.0	36.6	31.4	27.4
<b>Surface</b>									
Treatment Level	ASTM D2578	dyne/cm	39	39	39	39	39	39	39
<b>Optical</b>									
Haze	ASTM D1003	%	1.8	1.8	1.9	2.0	2.0	2.1	2.2
Gloss at 45° Angle	ASTM D2457	-	88	88	88	88	88	88	88
<b>MECHANICAL</b>									
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Tensile Strength	ASTM D 882	MD	1250	1250	1250	1250	1250	1250	1250
		TD	2700	2700	2700	2700	2700	2700	2700
Modulus	ASTM D 882	MD	18000	18000	18000	18000	18000	18000	18000
		TD	28000	28000	28000	28000	28000	28000	28000
Elongation	ASTM D 882	MD	210	210	210	210	210	210	210
		TD	70	70	70	70	70	70	70
<b>THERMAL</b>									
Shrinkage at 120°C / 5 min	JPFTM	MD	4.5	4.5	4.0	3.5	3.5	3.5	3.5
		TD	2.5	2.5	2.0	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	105	105	105	106	106	107	107
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	400	425	450	475	500	525	550
<b>BARRIER</b>									
Water Vapour Transmission Rate	ASTM E 398	gm/ m <sup>2</sup> /24h	7.0	6.5	6.0	5.0	4.0	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	2000	1850	1800	1700	1600	1500	1450

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