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**TECHNICAL DATA SHEET  
 OPP FILMS**

**OPAQUE WHITE BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED**

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

**STRUCTURAL CONFIGURATION**



- CORONA TREATED HEAT SEALABLE SKIN
- MODIFIED WHITE INNER SKIN
- OPAQUE WHITE CORE
- MODIFIED WHITE INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

**APPLICATIONS :**

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

**DESCRIPTION :**

Opaque White, Both Side Heat Sealable, One Side Corona Treated OPP Film with Very Good Slip and Antistatic Properties for use in Single / Two Ply Printing Lamination Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives. Untreated side exhibits excellent hot tack and seal strength

**SALIENT FEATURES :**

- Excellent Opacity
- Brilliant White Appearance
- Very Good Barrier Properties
- High Surface Gloss
- Excellent Hot Tack and Heat Seal Strength
- Excellent Surface Treatment Retention
- Excellent Anchorage of Inks and Lamination Adhesive on Treated Side
- Excellent Machinability,
- Suitable for Various Printing / Lamination Machines

\*Available in Inside / Outside Corona Treated, as per the requirement of the customer

TECHNICAL DATA									
PROPERTIES	TEST METHOD	UNIT	JS15H1-OP	JS18H1-OP	JS20H1-OP	JS25H1-OP	JS30H1-OP	JS35H1-OP	JS40H1-OP
<b>PHYSICAL</b>									
Thickness	ASTM D 374	Micron	15	18	20	25	30	35	40
Grammage	JPFTM	gm/m <sup>2</sup>	14.2	17.1	19.0	23.7	28.5	33.3	38.0
Yield	JPFTM	m <sup>2</sup> /kg	70.2	58.5	52.6	42.1	35.1	30.0	26.3
<b>SURFACE</b>									
Treatment Level – Metallisable Side (Min)	ASTM D 2578	dyne/cm	40	40	40	40	40	40	40
<b>OPTICAL</b>									
Transmittance (Max)	ASTM D 1003	%	45	45	40	40	35	35	30
Opacity	CIE	%	65	65	70	75	80	80	85
Gloss (Min) at 45° Angle	ASTM D 2457	-	55	55	55	55	50	50	50
<b>MECHANICAL</b>									
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1100	1100	1200	1200	1200	1200	1200
		TD	2500	2500	2500	2500	2500	2500	2500
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	17000	17000	17500	18000	18000	19000	19000
		TD	28000	28000	28500	29000	29000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	160	150	150	150	150
		TD	60	60	60	50	50	50	50
<b>THERMAL</b>									
Shrinkage (Max) at 120°C / 5 min	JPFTM	% MD	4.0	3.5	3.5	3.5	3.5	3.5	3.5
		TD	2.0	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	°C	118	118	118	120	120	120	120
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	450	450	450	450	450	450	450
<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	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	2000	1900	1850	1750	1650	1550	1450

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 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.