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## TECHNICAL DATA SHEET OPP FILMS

**PEARL WHITE NON HEAT SEALABLE  
BOTH SIDE CORONA TREATED**

**JS25/30/35/38/40/50N2-PL**

### STRUCTURAL CONFIGURATION



- CORONA TREATED NON HEAT SEALABLE SKIN
- MODIFIED INNER SKIN
- MODIFIED WHITE CAVITATED CORE
- MODIFIED INNER SKIN
- CORONA TREATED NON HEAT SEALABLE SKIN

### APPLICATIONS :

PEARL WHITE NON HEAT SEALABLE BOTH SIDE CORONA TREATED FILM FOR SINGLE / TWO / THREE PLY PRINTING LAMINATION APPLICATION

### DESCRIPTION :

Pearl White, Non Heat Sealable, Both Side Corona Treated OPP Film with Very Good Barrier, 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.

### SALIENT FEATURES :

- Excellent White Pearl Effect
- Excellent Surface Gloss
- Excellent Opacity
- Designed for Facilitating Surface Printing by Flexo / Gravure Process
- Excellent Anchorage of Inks and Adhesives
- Excellent Machinability,
- Very Good Barrier Properties
- Suitable for Various Printing / Lamination Machines

TECHNICAL DATA								
PROPERTIES	Test Method	Unit	JS25N2-PL	JS30N2-PL	JS35N2-PL	JS38N2-PL	JS40N2-PL	JS50N2-PL
<b>PHYSICAL</b>								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JTM	gm/m <sup>2</sup>	17.5	21.0	24.5	26.6	28.0	35
Yield	JTM	m <sup>2</sup> /kg	57.1	47.6	40.8	37.6	35.7	28.6
<b>SURFACE</b>								
Treatment Level (Min)	ASTM D 2578	dyne/cm	38 / 40	38 / 40	38 / 40	38 / 40	38 / 40	38 / 40
<b>OPTICAL</b>								
Transmittance (Max)	ASTM D 1003	%	40	35	30	30	25	25
Opacity	CIE	%	75	80	80	85	85	90
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95
<b>MECHANICAL</b>								
Coefficient of Friction	ASTM D 1894	Static	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
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup>	1000	1000	1000	1000	1000	1000
		kg/cm <sup>2</sup>	2000	2000	2000	2000	2000	2000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup>	15000	15000	15000	15000	15000	15000
		kg/cm <sup>2</sup>	25000	25000	25000	25000	25000	25000
Elongation (Max)	ASTM D 882	%	150	150	150	140	140	130
		%	50	50	50	40	40	35
<b>THERMAL</b>								
Shrinkage at 120°C / 5 min	JTM	MD	3.0	3.0	3.0	3.0	2.5	2.5
		TD	1.5	1.5	1.0	1.0	1.0	1.0
Seal Initiation Temperature	JTM	°C	-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar	JTM	gms/25mm	-	-	-	-	-	-
<b>BARRIER</b>								
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	6.0	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1750	1650	1550	1400	1250	1100

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.