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TECHNICAL DATA SHEET OPP FILMS

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

JS25/30/35/38/40/50N1-PL

STRUCTURAL CONFIGURATION



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

APPLICATIONS :

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

DESCRIPTION :

Pearl White, Non Heat Sealable, One 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
- Treated Side is Designed for Facilitating Surface Printing by Flexo / Gravure Process
- Excellent Anchorage of Inks on Treated Side
- Excellent Machinability,
- Very Good Barrier Properties
- Suitable for Various Printing / Lamination Machines



TECHNICAL DATA SHEET

TECHNICAL DATA								
PROPERTIES	Test Method	Unit	JS25N1-PL	JS30N1-PL	JS35N1-PL	JS38N1-PL	JS40N1-PL	JS50N1-PL
PHYSICAL								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JTM	gm/m ²	17.5	21.0	24.5	26.6	28.0	35
Yield	JTM	m ² /kg	57.1	47.6	40.8	37.6	35.7	28.6
SURFACE								
Treatment Level	ASTM D 2578	dyne/cm	38	38	38	38	38	38
OPTICAL								
Transmittance	ASTM D 1003	%	40	35	30	30	25	25
Opacity	CIE	%	75	80	85	85	85	90
Gloss at 45° Angle	ASTM D 2457	-	65	65	65	65	65	65
MECHANICAL								
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.45	0.45	0.45	0.45	0.45	0.45
Tensile Strength	ASTM D 882	kg/cm ²	625	625	625	625	625	625
Modulus	ASTM D 882	kg/cm ²	1450	1450	1450	1450	1450	1450
Elongation	ASTM D 882	%	11000	11000	11000	11000	11000	11000
			19000	19000	19000	19000	19000	19000
			145	145	145	145	145	145
			40	40	40	40	40	40
THERMAL								
Shrinkage at 120°C / 5 min	JTM	% MD	3.5	3.5	3.0	3.0	3.0	3.0
		TD	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JTM	°C	-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar	JTM	gms/25mm	-	-	-	-	-	-
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	gm/m ² /24h	6.0	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m ² /24h	1750	1650	1550	1400	1250	1100

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.