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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 SHEET

TECHNICAL DATA

PROPERTIES	Test Method	Unit		JS25N2-PL	JS30N2-PL	JS35N2-PL	JS38N2-PL	JS40N2-PL	JS50N2-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 / 39	38 / 39	38 / 39	38 / 39	38 / 39	38 / 39
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. (Lower tr / Lower tr)	ASTM D 1894	Kinetic		0.42	0.42	0.42	0.42	0.42	0.42
Tensile Strength	ASTM D 882	kg/cm^2	MD	625	625	625	625	625	625
			TD	1450	1450	1450	1450	1450	1450
Modulus	ASTM D 882	kg/cm^2	MD	11000	11000	11000	11000	11000	11000
			TD	19000	19000	19000	19000	19000	19000
Elongation	ASTM D 882	%	MD	145	145	145	145	145	145
			TD	40	40	40	40	40	40
THERMAL									
Shrinkage at 120°C / 5 min	JPFTM	%	MD	3.5	3.5	3.5	3.5	3.5	3.5
			TD	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C		-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar	JPFTM	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.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION