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TECHNICAL DATA SHEET OPP FILMS

PEARL WHITE HIGH DENSITY LOW HEAT SEALABLE ONE SIDE CORONA TREATED

JS25/30/35/40/45/50H1-PLH

STRUCTURAL CONFIGURATION

-- CORONA TREATED HEAT SEALABLE SKIN
-- MODIFIED PEARL WHITE INNER SKIN
-- MODIFIED PEARL WHITE CORE
-- MODIFIED PEARL WHITE INNER SKIN
-- UNTREATED LOW HEAT SEALABLE / LOW COF SKIN

APPLICATIONS :

PEARL WHITE HIGH DENSITY LOW HEAT SEALABLE LOW COF ONE SIDE CORONA TREATED FILM FOR VARIOUS LABEL & SINGLE / TWO PLY PRINTING LAMINATION APPLICATION.

DESCRIPTION :

Pearl White High Density Low Heat Sealable, One Side Corona Treated OPP Film with Very Good Barrier, Excellent Stiffness, Slip and Antistatic Properties for use in Label, Single / Two Ply Printing Lamination Application. High Density Provide the Film Excellent Stiffness for High Speed FFS Machines. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives. Untreated side exhibits low seal initiation temperature, excellent hot tack / seal strength and excellent slip characteristics for uninterrupted running on high speed FFS machines.

SALIENT FEATURES :

- Excellent Opacity
- ExcellentStiffness
- Excellent Surface Slip Properties
- Low Seal Initiation Temperature
- Excellent Hot Tack and Heat Seal Strength
- Brilliant Pearlicent White Appearance
- Very Good Barrier Properties
- High Surface Gloss
- 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 SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT		JS25H1-PLH	JS30H1-PLH	JS35H1-PLH	JS40H1-PLH	JS45H1-PLH	JS50H1-PLH
PHYSICAL									
Thickness	ASTM D 374	Micron		25	30	35	40	45	50
Grammage	JPFTM	gm/m^2		20.5	24.6	28.0	32.0	40.0	35.0
Yield	JPFTM	m^2/kg		48.5	40.6	35.7	31.2	27.7	25.0
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^{0}Angle	ASTM D 2457	-		60	60	60	60	60	60
MECHANICAL									
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic		0.28	0.28	0.28	0.28	0.28	0.28
Tensile Strength	ASTM D 882	kg/cm^2	MD	650	650	650	650	650	650
			TD	1500	1500	1500	1500	1500	1500
Modulus	ASTM D 882	kg/cm^2	MD	12000	12000	12000	12000	12000	12000
			TD	19000	19500	19000	19000	19000	19000
Elongation	ASTM D 882	%	MD	150	150	150	150	150	150
			TD	40	40	40	40	40	40
THERMAL									
Shrinkage at 120^{0}C / 5 min	JPFTM	%	MD	3.5	3.5	3.0	3.0	3.0	2.5
			TD	1.5	1.5	1.0	1.0	1.0	1.0
Seal Initiation Temperature	JPFTM	^{0}C		105	105	105	105	105	105
Sealing Strength at 120^{0}C / 2 Bar / 1 Sec	JPFTM	gms/25mm		400	450	500	525	550	600
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