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TECHNICAL DATA SHEET
OPP FILMS

OPAQUE WHITE BOTH SIDE HEAT SEALABLE ONE SIDE CORONA TREATED

JS15/18/20/25/30/35/40/45H1-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 SHEET

PROPERTIES	TEST METHOD	UNIT	JS15H1 -OP	JS18H1 -OP	JS20H1 -OP	JS25H1 -OP	JS30H1 -OP	JS35H1 -OP	JS40H1 -OP	JS45H1 -OP
PHYSICAL										
Thickness	ASTM D 374	Micron	15	18	20	25	30	35	40	45
Grammage	JPFTM	gm/m^2	14.2	17.1	19.0	23.7	28.5	33.2	38.0	42.7
Yield	JPFTM	m^2/kg	70.2	58.5	52.6	42.1	35.1	30.1	26.3	23.4
Surface										
Treatment Level	ASTM D2578	dyne/cm	38	38	38	38	38	38	38	38
Optical										
Transmittance	ASTM D1003	%	47	45	44	42	38	37	35	34
Opacity	CIE	%	69	70	72	78	82	84	86	88
Gloss at 45° Angle	ASTM D2457	-	50	50	50	50	50	50	50	50
MECHANICAL										
Coefficient of Friction (Max)	ASTM D 1894	Kinetic	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Tensile Strength	ASTM D 882	MD kg/cm²	1000	1000	1000	1000	1000	1000	1000	1000
		TD	2400	2400	2400	2400	2400	2400	2400	2400
Modulus	ASTM D 882	MD kg/cm²	14500	14500	14500	14500	14500	14500	14500	14500
		TD	26000	26000	26000	26000	26000	26000	26000	26000
Elongation	ASTM D 882	MD %	175	175	175	175	175	175	175	175
		TD	55	55	55	55	55	55	55	55
THERMAL										
Shrinkage at 120°C / 5 min	JPFTM	MD %	4.5	4.5	4.5	4.0	3.5	3.5	3.5	3.5
		TD	2.5	2.5	2.5	2.0	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	105	105	105	106	106	106	107	107
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	375	400	425	450	475	500	525	550
BARRIER										
Water Vapour Transmission Rate	ASTM E 398	$gm/m^2/24h$	8.0	7.2	6.5	5.5	4.5	3.7	3.0	2.2
Oxygen Gas Transmission Rate	ASTM D 3985	$cc/m^2/24h$	2000	1900	1850	1750	1650	1550	1450	1400

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