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TECHNICAL DATA SHEET
OPP FILMS

WHITE CAVITATED BOTH SIDE HEAT SEALABLE BOTH SIDE CORONA TREATED

JS30/35/38/40/45/50/60H2-PL

STRUCTURAL CONFIGURATION

-- CORONA TREATED HEAT SEALABLE SKIN
-- MODIFIED PEARL WHITE INNER SKIN
-- PEARL WHITE CORE
-- MODIFIED PEARL WHITE INNER SKIN
-- CORONA TREATED HEAT SEALABLE SKIN

APPLICATIONS :

Wrap Around and Pressure Sensitive Label Application.

DESCRIPTION :

White Cavitated, Both Side Heat Sealable, Both Side High Energy Treated, High Glossy OPP Film with excellent Opacity, Slip and Antistatic Properties for use in Wrap Around and Pressure Sensitive Label Applications. One side is high glossy high energy treated heat sealable surface, specifically designed for excellent get up and adhesion of surface printing by flexo / gravure process. Other side is treated heat sealable with excellent hot tack properties, which facilitate the closure being made with heat sealing after wrapping of the label and exhibits excellent anchorage with hotmelt and various pressure sensitive adhesives.

SALIENT FEATURES :

- Excellent Opacity
- Brilliant Pearlicent White Appearance
- High Surface Gloss
- Specially Design for Surface Printing Applications
- High Gloss High Energy Treatment for Facilitating Surface Printing by Flexo / Gravure Process
- Excellent Anchorage of Inks on High Energy Treated Side
- Excellent Anchorage of Hot Melt and Pressure Sensitive Adhesive on Other Treated Side
- Excellent Hot tack Properties
- Excellent Surface Treatment Retention
- Excellent Machinability
- Very Good Barrier Properties

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS30H2-PL	JS35H2-PL	JS38H2-PL	JS40H2-PL	JS50H2-PL	JS60H2-PL
PHYSICAL								
Thickness	ASTM D 374	Micron	30	35	38	40	50	60
Grammage	JPFTM	gm/m^2	21.0	24.5	26.6	28.0	35.0	42.0
Yield	JPFTM	m^2/kg	47.6	40.8	37.5	35.5	28.5	23.8
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	%	35	30	30	30	25	20
Opacity	CIE	%	80	85	85	85	90	90
Gloss at 45^{0}Angle	ASTM D 2457	-	60	60	60	60	60	60
MECHANICAL								
Coefficient of Friction – Max. (Lower tr / Lower tr)	ASTM D 1894	Kinetic	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength	ASTM D 882	kg/cm^2 MD	600	600	600	600	600	600
		kg/cm^2 TD	1400	1400	1400	1400	1400	1400
Modulus	ASTM D 882	kg/cm^2 MD	10500	10500	10500	10500	10500	10500
		kg/cm^2 TD	18500	18500	18500	18500	18500	18500
Elongation	ASTM D 882	% MD	140	140	140	140	140	140
		% 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 (Lower treat. Side)	JPFTM	^{0}C	118	118	118	119	119	119
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	5.0	4.0	3.8	3.5	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m^2/24h	1650	1550	1500	1400	1100	1050

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