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TECHNICAL DATA SHEET
OPP FILMS

PEARL WHITE ULTRA LOW HEAT SEALABLE ONE SIDE CORONA TREATED

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

STRUCTURAL CONFIGURATION

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

APPLICATIONS :

PEARL WHITE ULTRA LOW HEAT SEALABLE ONE SIDE CORONA TREATED FILM FOR ICE CREAM PACKAGING. ALSO USEFUL OTHER SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

DESCRIPTION :

Pearl White, Ultra Low 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, Specifically for Ice cream Packaging Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives. Untreated side exhibits ultra low seal initiation temperature, excellent hot tack and seal strength.

SALIENT FEATURES :

- Excellent Opacity
- Ultra 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-PUL	JS30H1-PUL	JS35H1-PUL	JS40H1-PUL	JS45H1-PUL	JS50H1-PUL
PHYSICAL								
Thickness	ASTM D 374	Micron	25	30	35	40	45	50
Grammage	JPFTM	gm/m^2	17.5	21.0	24.5	28.0	31.5	35.0
Yield	JPFTM	m^2/kg	57.1	47.6	40.8	35.5	31.7	28.5
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	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	JPFTM	^{0}C	95	95	95	95	95	95
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