



JINDAL POLY FILMS LTD.



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**TECHNICAL DATA SHEET
OPP FILMS**

**PEARL WHITE LOW COF LOW HEAT SEALABLE
ONE SIDE CORONA TREATED**

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

STRUCTURAL CONFIGURATION



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

APPLICATIONS :

PEARL WHITE LOW HEAT SEALABLE ULTRA LOW COF ONE SIDE CORONA TREATED FILM FOR VERY HIGH SPEED CONFECTIONARY PACKING APPLICATION. ALSO VERY USEFUL FOR OTHER SINGLE / TWO PLY HIGH SPEED PRINTING, LAMINATION & POUCHING APPLICATIONS.

DESCRIPTION :

Pearl White, Low Heat Sealable, Ultra Low COF, One Side Corona Treated OPP Film with Very Good Barrier, Outstanding Slip and Antistatic Properties for use in Single / Two Ply Printing Lamination Application, Specifically for High Speed Confectionary Packaging Application. Ultra Low COF untreated side facilitate the smooth running of film on confectionary packaging machine at minimum speed of 1200 packs/min. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives. Untreated side exhibits Ultra Low COF, low seal initiation temperature, excellent hot tack and seal strength.

SALIENT FEATURES :

- Ultra Low COF Low Heat Seal Untreated Side
- Excellent Opacity
- 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-PLC	JS30H1-PLC	JS35H1-PLC	JS40H1-PLC	JS45H1-PLC	JS50H1-PLC
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/kg	57.1	47.6	40.8	35.5	31.7	28.5
SURFACE								
Treatment Level (Min)	ASTM D 2578	dyne/cm	38	38	38	38	38	38
OPTICAL								
Transmittance (Max)	ASTM D 1003	%	40	35	30	30	25	25
Opacity	CIE	%	75	75	80	85	85	90
Gloss (Min) at 45° Angle	ASTM D 2457	-	60	60	60	60	60	60
MECHANICAL								
Coefficient of Friction (Max)	ASTM D 1894	Static	0.28	0.28	0.28	0.28	0.28	0.28
		Kinetic	0.25	0.25	0.25	0.25	0.25	0.25
Tensile Strength (Min)	ASTM D 882	MD	750	750	750	750	750	750
		kg/cm ² TD	1700	1700	1700	1700	1700	1700
Modulus (Min)	ASTM D 882	MD	11000	11000	11000	11000	11000	11000
		kg/cm ² TD	19000	19000	19000	19000	19000	19000
Elongation (Max)	ASTM D 882	MD	150	150	150	150	150	150
		% TD	40	40	40	40	40	40
THERMAL								
Shrinkage (Max) at 120°C / 5 min	JPFTM	MD	3.0	3.0	3.0	3.0	2.5	2.5
		% TD	1.5	1.5	1.0	1.0	1.0	1.0
Seal Initiation Temperature (Max)	JPFTM	°C	115	115	115	115	115	115
Sealing Strength (Min) at 120°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