# JINDAL POLY FILMS LTD.



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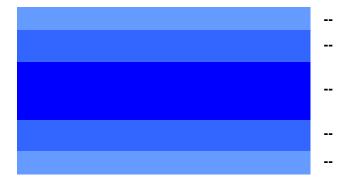
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# TECHNICAL DATA SHEET OPP FILMS

# WHITE CAVITATED NON HEAT SEALABLE HIGH ENERGY TREATED HIGH GLOSSY

JS25/30/35/38/40/50N1-PLG

#### STRUCTURAL CONFIGURATION



HIGH GLOSSY HIGH ENERGY TREATED NON HEAT SEALABLE SKIN

MODIFIED INNER SKIN

MODIFIED WHITE CAVITATED CORE

MODIFIED INNER SKIN

UNTREATED NON HEAT SEALABLE SKIN

### **APPLICATIONS:**

Roll-fed Wrap Around Label Application

## **DESCRIPTION:**

White Cavitated, Non Heat Sealable, One Side High Energy Treated, High Glossy OPP Film with excellent Opacity, Slip and Antistatic Properties for use in Roll-fed Wrap Around Label Applications. High glossy high energy treated surface is specifically designed for excel ent get up and adhesion of surface printing by flexo / gravure process.

# **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
- Excellent Surface Treatment Retention
- Excellent Machinability
- Very Good Barrier Properties



# **TECHNICAL DATA SHEET**

TECHNICAL DATA								
PROPERTIES	TEST METHOD	UNIT	JS25N1- PLG	JS30N1- PLG	JS35N1- PLG	JS38N1- PLG	JS40N1- PLG	JS50N1- PLG
PHYSICAL								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JPFTM	gm/m²	16.3	19.5	22.8	24.7	26.0	32.5
Yield	JPFTM	m²/kg	61.3	51.2	44.0	40.5	38.5	30.8
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°Angle	ASTM D 2457	-	85	85	85	85	85	85
MECHANICAL								
Coefficient of Friction – Max.	ASTM D 1894	Kinetic	0.45	0.45	0.45	0.45	0.45	0.45
(Untreated / Untreated)	ASTM D	MD	600	600	600	600	600	600
Tensile Strength	882	kg/cm <sup>2</sup> TD	1400	1400	1600	1400	1400	1400
Modulus	ASTM D 882	MD kg/cm <sup>2</sup> TD	10500 18500	10500 18500	10500 18500	10500 18500	10500 18500	10500 18500
	ASTM D	MD	140	140	140	140	140	140
Elongation	882	% TD	40	40	40	40	40	40
THERMAL						<u>,                                      </u>		
Shrinkage at 120°C / 5 min	JPFTM	MD % TD	3.5 1.5	3.5 1.5	3.5 1.5	3.5 1.5	3.5 1.5	3.5 1.5
Seal Initiation Temperature	JPFTM	0C	-	-	-	-	<del>-</del>	<u>-</u>
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-
BARRIER								
Water Vapour Transmission Rate	ASTM E 398	gm/m²/24h	6.0	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m²/24h	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.