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TECHNICAL DATA SHEET OPP FILMS

WHITE CAVITATED NON HEAT SEALABLE HIGH ENERGY TREATED HIGH GLOSSY

JS25/30/35/38/40/50N2-PLG

STRUCTURAL CONFIGURATION

--	HIGH GLOSSY HIGH ENERGY TREATED SKIN
--	MODIFIED INNER SKIN
--	MODIFIED WHITE CAVITATED CORE
--	MODIFIED INNER SKIN
--	HIGH GLOSSY TREATED SKIN

APPLICATIONS :

Wrap Around and Pressure Sensitive Label Application

DESCRIPTION :

White Cavitated, Non Heat Sealable, 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 non heat sealable surface, specifically designed for excellent get up and adhesion of surface printing by flexo / gravure process. Other Side is treated for facilitating anchorage with various hot melt and 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 Surface Treatment Retention
- Excellent Machinability
- Very Good Barrier Properties

TECHNICAL DATA SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS25N2-PLG	JS30N2-PLG	JS35N2-PLG	JS38N2-PLG	JS40N2-PLG	JS50N2-PLG
PHYSICAL								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JPFTM	gm/m^2	16.3	19.5	22.8	24.7	26.0	32.5
Yield	JPFTM	m^2/kg	61.3	51.2	44.0	40.5	38.5	30.8
SURFACE								
Treatment Level High Energy Treated Side / Normal Treated Side	ASTM D 2578	dyne/cm	39 / 38	39 / 38	39 / 38	39 / 38	39 / 38	39 / 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. (Lower tr / Lower tr)	ASTM D 1894	Kinetic	0.42	0.42	0.42	0.42	0.42	0.42
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°C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5	3.5
		% TD	1.5	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	-	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-
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