HEAD OFFICE :
Plot No. 12, Sector B1, Local Shopping Complex, Vasant Kunj,
New Delhi - 110070
Phone No : +91 11 26139256 - 265
Fax No : +91 11 26125739

WORKS :
28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
Phone : + 91 2553 229100
Fax : + 91 2553 229200

Website : www.jindalpoly.com

TECHNICAL DATA SHEET
OPP FILMS

WHITE CAVITATED BOTH SIDE HEAT SEALABLE ONE SIDE HIGH ENERGY TREATED HIGH GLOSSY

JS25/30/35/38/40/50H1-PLG

STRUCTURAL CONFIGURATION

--	HIGH GLOSSY HIGH ENERGY TREATED HEAT SEALABLE SKIN
--	MODIFIED INNER SKIN
--	MODIFIED WHITE CAVITATED CORE
--	MODIFIED INNER SKIN
--	UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

Wrap Around and Pressure Sensitive Label Application. Also can be used for Packaging Applications.

DESCRIPTION :

White Cavitated, Both Side Heat Sealable, One 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. This Film can also be used for Various Packaging 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 untreated heat sealable with excellent hot tack properties, which facilitate the closure being made with heat sealing after wrapping of the label.

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	JS25H1-PLG	JS30H1-PLG	JS35H1-PLG	JS38H1-PLG	JS40H1-PLG	JS50H1-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	43.8	40.5	38.5	30.8
SURFACE								
Treatment Level	ASTM D 2578	dyne/cm	39	39	39	39	39	39
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	-	75	75	75	70	70	70
MECHANICAL								
Coefficient of Friction – Max. (Untreated / Untreated)	ASTM D 1894	Kinetic	0.45	0.45	0.45	0.45	0.45	0.45
Tensile Strength	ASTM D 882	kg/cm^2 MD	575	575	575	575	575	575
		kg/cm^2 TD	1350	1350	1350	1350	1350	1350
Modulus	ASTM D 882	kg/cm^2 MD	10500	10500	10500	10500	10500	10500
		kg/cm^2 TD	17000	17000	17000	17000	17000	17000
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	3.5	3.0	3.0	2.5
		% TD	1.5	1.5	1.5	1.0	1.0	1.0
Seal Initiation Temperature	JPFTM	^{0}C	105	105	106	106	107	107
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