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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								
PROPERTIES	TEST METHOD	UNIT	JS25N2-PLG	JS30N2-PLG	JS35N2-PLG	JS38N2-PLG	JS40N2-PLG	JS50N2-PLG
<b>PHYSICAL</b>								
Thickness	ASTM D 374	Micron	25	30	35	38	40	50
Grammage	JPFTM	gm/m <sup>2</sup>	17.0	19.8	22.3	24.1	25.4	31.7
Yield	JPFTM	m <sup>2</sup> /kg	58.8	50.5	44.9	41.4	39.3	31.5
<b>SURFACE</b>								
Treatment Level (Min) High Energy Treated Side / Normal Treated Side	ASTM D 2578	dyne/cm	40 / 38	40 / 38	40 / 38	40 / 38	40 / 38	40 / 38
<b>OPTICAL</b>								
Transmittance (Max)	ASTM D 1003	%	40	35	30	30	25	25
Opacity	CIE	%	75	80	80	85	85	90
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95	95	95	95	95
<b>MECHANICAL</b>								
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1000	1000	1000	1000	1000	1000
		TD	2000	2000	2000	2000	2000	2000
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	15000	15000	15000	15000	15000	15000
		TD	25000	25000	25000	25000	25000	25000
Elongation (Max)	ASTM D 882	% MD	150	150	150	140	140	130
		TD	50	50	50	40	40	35
<b>THERMAL</b>								
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	-	-	-	-	-	-
Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec	JPFTM	gms/25mm	-	-	-	-	-	-
<b>BARRIER</b>								
Water Vapour Transmission Rate	ASTM E 398	gm/m <sup>2</sup> /24h	6.0	5.0	4.0	3.5	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1750	1650	1550	1400	1250	1100

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any responsibility for the fitness of the product for any particular use.