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## TECHNICAL DATASHEET OPP FILMS

TRANSPARENT HIGH GLOSSY HIGH ENERGY TREATED

JS30/35N2-LB

STRUCTURAL CONFIGURATION



- HIGH GLOSSY HIGH ENERGY TREATED SKIN
- MODIFIED TRANSPARENT INNER SKIN
- LOW HAZE TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- TREATED SKIN

### APPLICATIONS :

Wrap Around and Pressure Sensitive Label Applications

### DESCRIPTION :

Transparent, Non Heat Sealable, High Glossy High Energy Treated OPP Film with excellent clarity, slip and antistatic properties for use in various label application. One side is high glossy high energy treated 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 Clarity
- Excellent Surface Gloss
- Low Haze
- Specially Design for Surface Printing Applications
- Excellent Anchorage and Get up of Inks on High Glossy High Energy Treated Side
- Excellent Anchorage of Hot Melt and Pressure Sensitive Adhesive on Other Side
- Excellent Machinability
- Suitable for Various Printing / Lamination Machines

TECHNICAL DATA				
PROPERTIES	TEST METHOD	UNIT	JS30N2-LB	JS35N2-LB
<b>PHYSICAL</b>				
Thickness	ASTM D 374	Micron	30	35
Grammage	JPFTM	gm/m <sup>2</sup>	28.5	31.9
Yield	JPFTM	m <sup>2</sup> /kg	35.0	31.3
<b>SURFACE</b>				
Treatment Level (Min)	ASTM D 2578	dyne/cm	40 / 38	40 / 38
<b>OPTICAL</b>				
Haze (Max)	ASTM D 1003	%	1.5	1.5
Gloss (Min) at 45° Angle	ASTM D 2457	-	95	95
<b>MECHANICAL</b>				
Coefficient of Friction	ASTM D 1894	Static	0.40	0.40
		Kinetic	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	1500	1500
		TD	2800	2800
Modulus (Min)	ASTM D 882	kg/cm <sup>2</sup> MD	19000	19000
		TD	28000	28000
Elongation (Max)	ASTM D 882	% MD	150	150
		TD	50	50
<b>THERMAL</b>				
Shrinkage (at 120°C for 5 min)	JPFTM	% MD	3.5	3.5
		TD	1.5	1.5
Seal Initiation Temperature	JPFTM	°C	-	-
Sealing Strength (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	3.0	2.5
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m <sup>2</sup> /24h	1500	1400

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.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION