JINDAL POLY FILMS LTD.

HEAD OFFICE :
Plot No. 2, 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

TRANSPARENT HIGH GLOSSY HIGH ENERGY TREATED

JS25/30/35/40/50N2-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 SHEET

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	JS25N2-LB	JS30N2-LB	JS35N2-LB	JS40N2-LB	JS50N2-LB
PHYSICAL							
Thickness	ASTM D 374	Micron	25	30	35	40	50
Grammage	JPFTM	gm/m^2	22.8	27.3	31.9	36.4	45.5
Yield	JPFTM	m^2/kg	43.9	36.6	31.3	27.4	21.9
SURFACE							
Treatment Level (Min)	ASTM D 2578	dyne/cm	38 / 39	38 / 39	38 / 39	38 / 39	38 / 39
OPTICAL							
Haze (Max)	ASTM D 1003	%	0.9	0.9	0.9	1.0	1.0
Gloss (Min) at 45^{0}Angle	ASTM D 2457	-	98	98	98	98	98
MECHANICAL							
Coefficient of Friction (Max)	ASTM D 1894	Static	0.40	0.40	0.40	0.40	0.40
		Kinetic	0.38	0.38	0.38	0.38	0.38
Tensile Strength (Min)	ASTM D 882	kg/cm^2 MD	1400	1400	1400	1400	1400
		TD	2700	2700	2700	2700	2700
Modulus (Min)	ASTM D 882	kg/cm^2 MD	19000	19000	19000	19000	19000
		TD	30000	30000	30000	30000	30000
Elongation (Max)	ASTM D 882	% MD	160	160	160	160	160
		TD	60	60	60	60	60
THERMAL							
Shrinkage (Max) at 120^{0}C / 5 min	JPFTM	% MD	3.5	3.5	3.5	3.5	3.5
		TD	1.5	1.5	1.5	1.5	1.5
Seal Initiation Temperature (Max)	JPFTM	^{0}C	-	-	-	-	-
Sealing Strength (Min) at 120^{0}C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-
BARRIER							
Water Vapour Transmission Rate	ASTM E 398	gm/m^2/24h	5.0	4.0	3.0	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m^2/24h	1850	1800	1700	1600	1500

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