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TECHNICAL DATA SHEET OPP FILMS

**TRANSPARENT HIGH GLOSSY HIGH ENERGY
TREATED**

JS25/30/35/40/50N1-LB

STRUCTURAL CONFIGURATION



- HIGH GLOSSY HIGH ENERGY TREATED SKIN
- MODIFIED TRANSPARENT INNER SKIN
- LOW HAZE TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- UNTREATED 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 design for anchorage with hot melt 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 Adhesive on Other Side
- Excellent Machinability
- Suitable for Various Printing / Lamination Machines



TECHNICAL DATA SHEET

TECHNICAL DATA							
PROPERTIES	TEST METHOD	UNIT	JS25N1-LB	JS30N1-LB	JS35N1-LB	JS40N1-LB	JS50N1-LB
PHYSICAL							
Thickness	ASTM D 374	Micron	25	30	35	40	50
Grammage	JPFTM	gm/m²	22.8	27.3	31.9	36.4	45.5
Yield	JPFTM	m²/kg	43.9	36.6	31.3	27.4	21.9
SURFACE							
Treatment Level	ASTM D 2578	dyne/cm	38	38	38	38	38
OPTICAL							
Haze	ASTM D 1003	%	1.1	1.2	1.2	1.2	1.3
Gloss at 45°Angle	ASTM D 2457	-	94	94	94	94	94
MECHANICAL							
Coefficient of Friction – Max (Untreated / Untreated)	ASTM D 1894	Kinetic	0.38	0.38	0.38	0.38	0.38
Tensile Strength	ASTM D 882	MD	1350	1350	1350	1350	1350
		kg/cm² TD	2800	2800	2800	2800	2800
Modulus	ASTM D 882	MD	18000	18000	18000	18000	18000
		kg/cm² TD	28000	28000	28000	28000	28000
Elongation	ASTM D 882	MD	200	200	200	200	200
		% TD	60	60	60	60	60
THERMAL							
Shrinkage at 120°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	JPFTM	°C	-	-	-	-	-
Sealing Strength at 120°C / 2 Bar	JPFTM	gms/25mm	-	-	-	-	-
BARRIER							
Water Vapour Transmission Rate	ASTM E 398	gm/m²/24h	5.0	4.0	3.0	2.5	2.0
Oxygen Gas Transmission Rate	ASTM D 3985	cc/m²/24h	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