

**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](http://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/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 / 39   | 38 / 39   | 38 / 39   | 38 / 39   | 38 / 39   |
| OPTICAL   |             |           |           |           |           |           |           |
| Haze  | ASTM D 1003 | %         | 0.9       | 0.9       | 0.9       | 1.0       | 1.0       |
| Gloss at 45°Angle                                       | ASTM D 2457 | -         | 94        | 94        | 94        | 94        | 94        |
| MECHANICAL  |             |           |           |           |           |           |           |
| Coefficient of Friction – Max (Low treat. / Low treat.) | ASTM D 1894 | Kinetic   | 0.36      | 0.36      | 0.36      | 0.36      | 0.36      |
| 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**