



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**

**PEARL WHITE ONE SIDE HEAT SEALABLE
OTHER SIDE HIGH GLOSSY CORONA TREATED**

JS25/30/35/40/45/50S1-PL

STRUCTURAL CONFIGURATION



- CORONA TREATED NON SEALABLE HIGH GLOSSY SKIN
- MODIFIED PEARL WHITE INNER SKIN
- PEARL WHITE CORE
- MODIFIED PEARL WHITE INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

PEARL WHITE ONE SIDE HEAT SEALABLE OTHER SIDE HIGH GLOSSY CORONA TREATED FILM FOR SINGLE / TWO PLY PRINTING LAMINATION APPLICATION

DESCRIPTION :

Pearl White, One Side Heat Sealable, Other Side High Glossy Corona Treated OPP Film with Very Good Barrier, Slip and Antistatic Properties for use in Single / Two Ply Printing Lamination Application. The corona treated side is specifically designed for excellent adhesion of inks and lamination adhesives as well as excellent get up of printing due to high glossy surface. Untreated side exhibits excellent hot tack and seal strength

SALIENT FEATURES :

- Very High Glossy Surface
- Excellent Opacity
- Brilliant Pearlicent White Appearance
- Very Good Barrier Properties
- High Surface Gloss
- Excellent Hot Tack and Heat Seal Strength
- Excellent Surface Treatment Retention
- Excellent Anchorage of Inks and Lamination Adhesive on Treated Side
- Excellent Machinability,
- Suitable for Various Printing / Lamination Machines

*Available in Inside / Outside Corona Treated, as per the requirement of the customer



TECHNICAL DATA SHEET

| TECHNICAL DATA | | | | | | | | |
|---|-------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| PROPERTIES | TEST METHOD | UNIT | JS25S1-PL | JS30S1-PL | JS35S1-PL | JS40S1-PL | JS45S1-PL | JS50S1-PL |
| PHYSICAL | | | | | | | | |
| Thickness | ASTM D 374 | Micron | 25 | 30 | 35 | 40 | 45 | 50 |
| Grammage | JPFTM | gm/m ² | 17.5 | 21.0 | 24.5 | 28.0 | 31.5 | 35.0 |
| Yield | JPFTM | m/kg | 57.1 | 47.6 | 40.8 | 35.5 | 31.7 | 28.5 |
| SURFACE | | | | | | | | |
| Treatment Level (Min) | ASTM D 2578 | dyne/cm | 38 | 38 | 38 | 38 | 38 | 38 |
| OPTICAL | | | | | | | | |
| 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 | - | 55 | 55 | 55 | 55 | 55 | 55 |
| MECHANICAL | | | | | | | | |
| 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 | MD | 750 | 750 | 750 | 750 | 750 | 750 |
| | | TD | 1700 | 1700 | 2000 | 2000 | 2000 | 2000 |
| Modulus (Min) | ASTM D 882 | MD | 11000 | 11000 | 11000 | 11000 | 11000 | 11000 |
| | | TD | 19000 | 19000 | 19000 | 19000 | 19000 | 19000 |
| Elongation (Max) | ASTM D 882 | MD | 150 | 150 | 150 | 150 | 150 | 150 |
| | | TD | 40 | 40 | 40 | 40 | 40 | 40 |
| THERMAL | | | | | | | | |
| Shrinkage (Max) at 120°C / 5 min | JPFTM | MD | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| | | TD | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Seal Initiation Temperature (Max) | JPFTM | °C | 115 | 115 | 115 | 115 | 115 | 115 |
| Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec | JPFTM | gms/25mm | 400 | 450 | 500 | 525 | 550 | 600 |
| BARRIER | | | | | | | | |
| Water Vapour Transmission Rate | ASTM E 398 | gm/m ² /24h | 6.0 | 5.0 | 4.0 | 3.5 | 3.0 | 2.5 |
| Oxygen Gas Transmission Rate | ASTM D 3985 | cc/m ² /24h | 1750 | 1650 | 1550 | 1400 | 1250 | 1100 |

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