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**TECHNICAL DATA SHEET
 OPP FILMS**

**WHITE CAVITATED BOTH SIDE HEAT SEALABLE
 ONE SIDE HIGH ENERGY TREATED HIGH GLOSSY**

JS25/30/35/38/40/50H1-PLG

STRUCTURAL CONFIGURATION



- HIGH GLOSSY HIGH ENERGY TREATED HEAT SEALABLE SKIN
- MODIFIED INNER SKIN
- MODIFIED WHITE CAVITATED CORE
- MODIFIED INNER SKIN
- UNTREATED HEAT SEALABLE SKIN

APPLICATIONS :

Wrap Around and Pressure Sensitive Label Application

DESCRIPTION :

White Cavitated, Both Side Heat Sealable, One Side High Energy Treated, High Glossy OPP Film with excellent Opacity, Slip and Antistatic Properties for use in Wrap Around and Pressure Sensitive Label Applications. One side is high glossy high energy treated heat sealable surface, specifically designed for excellent get up and adhesion of surface printing by flexo / gravure process. Other side is untreated heat sealable with excellent hot tack properties, which facilitate the closure being made with heat sealing after wrapping of the label.

SALIENT FEATURES :

- Excellent Opacity
- Brilliant Pearlicent White Appearance
- High Surface Gloss
- Specially Design for Surface Printing Applications
- High Gloss High Energy Treatment for Facilitating Surface Printing by Flexo / Gravure Process
- Excellent Anchorage of Inks on High Energy Treated Side
- Excellent Anchorage of Hot Melt and Pressure Sensitive Adhesive on Other Treated Side
- Excellent Hot tack Properties
- Excellent Surface Treatment Retention
- Excellent Machinability
- Very Good Barrier Properties

| TECHNICAL DATA | | | | | | | | |
|---|-------------|------------------------|------------|------------|------------|------------|------------|------------|
| PROPERTIES | TEST METHOD | UNIT | JS25H1-PLG | JS30H1-PLG | JS35H1-PLG | JS38H1-PLG | JS40H1-PLG | JS50H1-PLG |
| PHYSICAL | | | | | | | | |
| Thickness | ASTM D 374 | Micron | 25 | 30 | 35 | 38 | 40 | 50 |
| Grammage | JPFTM | gm/m ² | 17.0 | 19.8 | 22.3 | 24.1 | 25.4 | 31.7 |
| Yield | JPFTM | m ² /kg | 58.8 | 50.5 | 44.9 | 41.4 | 39.3 | 31.5 |
| SURFACE | | | | | | | | |
| Treatment Level (Min) | ASTM D 2578 | dyne/cm | 40 | 40 | 40 | 40 | 40 | 40 |
| OPTICAL | | | | | | | | |
| Transmittance (Max) | ASTM D 1003 | % | 40 | 35 | 30 | 30 | 25 | 25 |
| Opacity | CIE | % | 75 | 75 | 80 | 85 | 85 | 90 |
| Gloss (Min) at 45° Angle | ASTM D 2457 | - | 75 | 75 | 75 | 70 | 70 | 70 |
| 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 | kg/cm ² MD | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | | TD | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Modulus (Min) | ASTM D 882 | kg/cm ² MD | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 |
| | | TD | 25000 | 25000 | 25000 | 25000 | 25000 | 25000 |
| Elongation (Max) | ASTM D 882 | % MD | 150 | 150 | 150 | 140 | 140 | 130 |
| | | TD | 50 | 50 | 50 | 40 | 40 | 35 |
| THERMAL | | | | | | | | |
| Shrinkage (Max) at 120°C / 5 min | JPFTM | % MD | 3.0 | 3.0 | 3.0 | 3.0 | 2.5 | 2.5 |
| | | TD | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| Seal Initiation Temperature (Max) | JPFTM | °C | 118 | 118 | 118 | 120 | 120 | 120 |
| Sealing Strength (Min) at 120°C / 2 Bar / 1 Sec | JPFTM | gms/25mm | 400 | 400 | 400 | 400 | 400 | 400 |
| 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 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.