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TECHNICAL DATA SHEET OPP FILMS

TRANSPARENT NON HEAT SEALABLE
ONE SIDE CORONA TREATED

JS23/24/25/29N1-AT

STRUCTURAL CONFIGURATION



-- CORONA TREATED SKIN

-- TRANSPARENT CORE

-- BACK TREATMENT FREE UNTREATED SKIN

APPLICATIONS :

PRESSURE SENSITIVE ADHESIVE TAPE

DESCRIPTION :

Transparent, Non Heat Sealable, One Side Corona Treated, High Glossy OPP Film for use in Pressure Sensitive Adhesive Tape Manufacturing Application. The corona treated surface is specifically designed for excellent anchorage of various solvent and water based pressure sensitive adhesive used for self adhesive tape manufacturing. Untreated side is back treatment free, which facilitate the trouble free unwinding of adhesive coated jumbo rolls.

SALIENT FEATURES :

- High Surface Gloss
- Excellent Surface Treatment Retention
- Excellent Anchorage of Various Pressure Sensitive Adhesives on Treated Side
- Back Treatment Free
- Excellent Machinability,
- Excellent Mechanical Properties
- Excellent Dimensional Stability

| TECHNICAL DATA | | | | | | |
|---|-----------------------|------------------------|-----------|-----------|-----------|-----------|
| PROPERTIES | TEST METHOD | UNIT | JS23N1-AT | JS24N1-AT | JS25N1-AT | JS29N1-AT |
| PHYSICAL | | | | | | |
| Thickness | ASTM D 374 | Micron | 23 | 24 | 25 | 29 |
| Grammage | JPFTM | gm/m ² | 21.0 | 21.9 | 22.8 | 26.4 |
| Yield | JPFTM | m ² /kg | 47.5 | 45.5 | 43.6 | 37.8 |
| SURFACE | | | | | | |
| Treatment Level (Min) | ASTM D 2578 | dyne/cm | 38 | 38 | 38 | 38 |
| OPTICAL | | | | | | |
| Haze (Max) | ASTM D 1003 | % | 1.5 | 1.5 | 1.5 | 1.5 |
| Gloss (Min) Angle | at 45° ASTM D 2457 | - | 95 | 95 | 95 | 95 |
| MECHANICAL | | | | | | |
| Coefficient of Friction (Max) | ASTM D 1894 | Static | 0.45 | 0.45 | 0.45 | 0.45 |
| | | Kinetic | 0.40 | 0.40 | 0.40 | 0.40 |
| Tensile Strength (Min) | ASTM D 882 | kg/cm ² MD | 1400 | 1400 | 1400 | 1400 |
| | | TD | 2500 | 2500 | 2500 | 2500 |
| Modulus (Min) | ASTM D 882 | kg/cm ² MD | 18000 | 18000 | 18000 | 18000 |
| | | TD | 28000 | 28000 | 28000 | 28000 |
| Elongation (Max) | ASTM D 882 | % MD | 150 | 150 | 150 | 150 |
| | | TD | 50 | 50 | 50 | 50 |
| THERMAL | | | | | | |
| Shrinkage (Max) at 120°C / 5 min | JPFTM | % MD | 3.5 | 3.5 | 3.5 | 3.5 |
| | | TD | 1.5 | 1.5 | 1.5 | 1.5 |
| Seal Initiation Temperature (Max) | JPFTM | °C | - | - | - | - |
| Sealing Strength (Min) at 120°C / 2 Bar | JPFTM | gms/25mm | - | - | - | - |
| BARRIER | | | | | | |
| Water Vapour Transmission Rate | ASTM E 398 | gm/m ² /24h | - | - | - | - |
| Oxygen Gas Transmission Rate | ASTM D 3985 | cc/m ² /24h | - | - | - | - |

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.

JPFTM : JINDAL POLY FILMS TEST METHOD, MD : MACHINE DIRECTION, TD : TRANSVERSE DIRECTION