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- PRINTABLE/ SEALABLE ACRYLIC LAYER
- HIGH ENERGY ADHESION PROMOTING LAYER
- MODIFIED TRANSPARENT INNER SKIN
- HIGHLY TRANSPARENT CORE
- MODIFIED TRANSPARENT INNER SKIN
- HIGH ENERGY ADHESION PROMOTING LAYER
- PRINTABLE/ SEALABLE ACRYLIC LAYER

**TECHNICAL DATA SHEET  
 OPP COATED FILMS**

**TRANSPARENT COATED – BOTH SIDE  
 ACRYLIC**

**JS20/25/30/35/40/45/50H2-AA**

**STRUCTURAL CONFIGURATION**

**DESCRIPTION :**

Transparent, Both Side Acrylic Coated OPP Film with Excellent Sealability, Clarity, Slip and Antistatic Properties for Single / Two / Three Ply Packaging and Wrapping Structures. The Film Exhibits Excellent Moisture, Aroma Barrier Properties and Excellent Seal Integrity on Both the Coated Surfaces.

**APPLICATIONS :**

Single / Two / Three Ply Packaging Structures and Wrapping Applications.

**SALIENT FEATURES :**

- Excellent Moisture and Aroma Barrier
- Excellent Clarity and Gloss
- Excellent Seal Strength and Hottack
- Excellent Slip and Antistatic Properties
- Excellent Machinability
- Excellent Mechanical Properties
- Printable / Sealable on Both Sides
- Excellent Dimensional Stability

| TECHNICAL DATA                                  |             |  |           |           |           |           |           |           |           |
|---|-------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| PROPERTIES                                      | TEST METHOD | UNIT                                   | JS20H2-AA | JS25H2-AA | JS30H2-AA | JS35H2-AA | JS40H2-AA | JS45H2-AA | JS50H2-AA |
| <b>PHYSICAL</b>                                 |             |  |           |           |           |           |           |           |           |
| Thickness                                       | ASTM D 374  | Micron                                 | 20        | 25        | 30        | 35        | 40        | 45        | 50        |
| Grammage  | JPFTM       | gm/m <sup>2</sup>                      | 18.2      | 22.7      | 27.4      | 31.9      | 37.0      | 41.7      | 46.5      |
| Yield   | JPFTM       | m <sup>2</sup> /kg                     | 55.0      | 44.0      | 36.5      | 31.3      | 27.0      | 24.0      | 21.5      |
| <b>SURFACE</b>                                  |             |  |           |           |           |           |           |           |           |
| Treatment Level on Acrylic Side (Min)           | ASTM D 2578 | dyne/cm                                | 41        | 41        | 41        | 41        | 41        | 41        | 41        |
| <b>OPTICAL</b>                                  |             |  |           |           |           |           |           |           |           |
| Haze (Max)                                      | ASTM D 1003 | %                                      | 2.0       | 2.0       | 2.0       | 2.0       | 2.0       | 2.0       | 2.0       |
| Gloss (Min) at 45° Angle                        | ASTM D 2457 | -                                      | 90        | 90        | 90        | 90        | 90        | 90        | 90        |
| <b>MECHANICAL</b>                               |             |  |           |           |           |           |           |           |           |
| Coefficient of Friction (Max)                   | ASTM D 1894 | Acryl / Acryl                          | 0.30      | 0.30      | 0.30      | 0.30      | 0.30      | 0.30      | 0.30      |
| Tensile Strength (Min)                          | ASTM D 882  | kg/cm <sup>2</sup> MD                  | 1500      | 1500      | 1500      | 1500      | 1500      | 1500      | 1500      |
|   |             | TD                                     | 3000      | 3000      | 3000      | 3000      | 3000      | 3000      | 3000      |
| Modulus (Min)                                   | ASTM D 882  | kg/cm <sup>2</sup> MD                  | 20000     | 20000     | 20000     | 20000     | 20000     | 20000     | 20000     |
|   |             | TD                                     | 35000     | 35000     | 35000     | 35000     | 35000     | 35000     | 35000     |
| Elongation (Max)                                | ASTM D 882  | % MD                                   | 170       | 170       | 170       | 170       | 170       | 170       | 170       |
|   |             | TD                                     | 60        | 60        | 60        | 60        | 60        | 60        | 60        |
| <b>THERMAL</b>                                  |             |  |           |           |           |           |           |           |           |
| Shrinkage (Max) at 120°C / 5 min                | JPFTM       | % MD                                   | 3.5       | 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       | 1.5       |
| Sealing Strength (Min) at 130°C / 2 Bar / 1 Sec | JPFTM       | gms/ 25mm                              | 450       | 450       | 450       | 475       | 475       | 475       | 475       |
| <b>BARRIER</b>                                  |             |  |           |           |           |           |           |           |           |
| Water Vapour Transmission Rate                  | ASTM E 398  | gm/m <sup>2</sup> /24h (38°C / 90% RH) | 6.5       | 5.5       | 4.5       | 4.0       | 3.5       | 3.0       | 2.5       |
| Oxygen Gas Transmission Rate                    | ASTM D 3985 | cc/m <sup>2</sup> /24h (23°C / 0% RH)  | 1100      | 900       | 800       | 700       | 600       | 550       | 525       |

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.