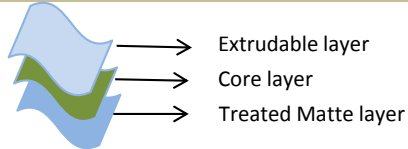


## Thermal Lamination Base Matte BOPP Film ATLM-II

**Film Structure**

**Product Description**

It is one side Matte and other side Extrudable both side corona treated Bi-axially oriented polypropylene film.

**Product Features**

- Extrudable layer one side, other side Matte
- Good mechanical properties
- Good moisture barrier
- Good antistatic and slip properties
- Standard Thickness ( 12 to 15  $\mu$ )

**Applications**

- For Thermal Lamination

### Technical Data

| Properties                                      | Reference    | Unit           | Test Method | Typical Values |      |      |
|---|--------------|----------------|-------------|----------------|------|------|
| <b>PHYSICAL</b>                                 |              |                |             |                |      |      |
| Average Thickness                               |              | $\mu$ m        | ATM         | 12             | 13   | 15   |
| Unit Weight                                     |              | $g/m^2$        |             | 10.6           | 11.4 | 13.2 |
| Yield   |              | $m^2/kg$       |             | 94.7           | 87.4 | 75.8 |
| Thickness Variation                             |              | $\pm$ %        |             |                | 3    |      |
| Density   |              | $g/cc$         |             |                | 0.88 |      |
| <b>OPTICAL</b>                                  |              |                |             |                |      |      |
| Gloss (45 <sup>0</sup> )                        | Glossy       | gardner        | D-2457      | NA             |      |      |
|   | Matte        |                |             | 6.5-8.5        |      |      |
| Haze  |              | %              | D-1003      | 75.0-85.0      |      |      |
| <b>SURFACE TENSION</b>                          |              |                |             |                |      |      |
| Treatment level (Min)                           | Matte/Glossy | dyne/cm        | D-2578      | 46 / 38        |      |      |
| <b>MECHANICAL</b>                               |              |                |             |                |      |      |
| COF (Kinetic - max)                             | Matte side   |                | D-1894      | 0.25 - 0.35    |      |      |
| Tensile Strength                                | MD           | $kg/cm^2$      | D-882       | 1000-1300      |      |      |
|   | TD           |                |             | 2100-2500      |      |      |
| Elongation                                      | MD           | %              | D-882       | 140-170        |      |      |
|   | TD           |                |             | 40-65          |      |      |
| <b>THERMAL</b>                                  |              |                |             |                |      |      |
| Shrinkage (120 <sup>0</sup> C, 5 Min)           | MD           | %              | D-1204      | 2.0-4.0        |      |      |
|   | TD           |                |             | 0.5-2.5        |      |      |
| Sealing strength (120 <sup>0</sup> C/2Bar/1Sec) | NT/NT        | $g/cm$         | ATM         | 250-270        |      |      |
| Seal Initiation temperature                     | NT/NT        | <sup>0</sup> C | ATM         | 90-110         |      |      |
| <b>Barrier Properties</b>                       |              |                |             |                |      |      |
| WVTR (38 <sup>0</sup> C & 90% RH)               |              | $g/m^2/day$    | ASTM F 1249 | NA             |      |      |
| OTR (23 <sup>0</sup> C & 0% RH)                 |              | $cc/m^2/day$   | ASTM D 3985 | NA             |      |      |

**Disclaimer:** The information provided above is based on ASIA POLY FILMS INDUSTRIES's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

ATM: Asia Test Method MD: Machine Direction TD: Transverse Direction NA: Not Applicable

### Asia Poly Films Industries

**Plant and registred office Address :**

Survey No. 462, Bhimnath Mahadev road , Morbi - Rajkot highway , at Lajai - 363641 Morbi , Gujarat , India

Tel : (+91) 9726195326

Email ID: Info@asiapolyfilms.com