Nahar POLY FILMS LTD.

ISO 9001 REGISTERED

| PRODUCT CODE<br>**HMS** | ONE SIDE METALLISED AND OTHER SIDE CORONA TREATED FILM<br>APPLICATION : FOR SANDWHICH |
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**TECHNICAL DATA SHEET BOPP**

| PROPERTIES | TEST METHOD | UNIT | POSITION | HMS15 | HMS18 |
|---|---|---|---|---|---|
| **PHYSICAL** | | | | | |
| **Thickness** | ASTM D 374 | MICRON | | 15 | 18 |
| **Grammage** | NTM | gm/m² | | 13.65 | 16.38 |
| **Yield** | NTM | m²/kg | | 73.3 | 61.05 |
| **Thickness variation** | | %(±) | | 3 | |
| **SURFACE** | | | | | |
| **Treatment Level (min)** | ASTM D 2578 | dyne/cm | | 38 | |
| **OPTICAL** | | | | | |
| **Optical Density** | NTM | % | | 2.0 - 2.2 | |
| **MECHANICAL** | | | | | |
| **Coefficient Of Friction** | ASTM D 1894 | Static | | 0.40 - 0.45 | |
| | | Kinetic | | 0.35 - 0.40 | |
| **Tensile strength** | ASTM D 882 | Kg/cm² | MD | 1200 - 1500 | |
| | | | TD | 2500 - 2800 | |
| **Modulus** | ASTM D 882 | Kg/cm² | MD | 17000 | |
| | | | TD | 30000 | |
| **Elongation** | ASTM D 882 | % | MD | 160 - 180 | |
| | | | TD | 60 - 80 | |
| **THERMAL** | | | | | |
| **Shrinkage at 120°C/ 5min** | ASTM D 1204 | % | MD | 2 - 5 | |
| | | | TD | 1 - 2 | |

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. NAHAR POLY FILMS LTD. Suggests to the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accept any resposibility for the fitness of the product for any other use. Treatment value of BOPP films tend to decay over a period of time during transportation & storage conditions. Therefore it is recommended that the customer should check the treatment levels prior to processing and if a reduction is observed then online corona tretment, high adhesive GSM & a suitable primer may be applied.

NTM: NAHAR TEST METHOD, MD : MACHINE DIRECTION ,TD : TRANSVERSE DIRECTION