

# PEARL

## TECHNICAL DATA SHEET

### Profile

\*BOPP based embossed thermal laminating film, with extrusion coated surface and low temperature melting resin which enables lamination of film to paper products by heat and pressure.

### Features

- \*Good embossed optical properties.
- \*Good resistance to elongation and tear.
- \*Good fiber tear bond strength paper

### Application

\*Thermal lamination onto printed & unprinted paper and paper boards such as book covers, posters, magazines, diaries etc.

| Property  | Unit                         | Test Method   | Spec+-5% |
|---|------------------------------|---|----------|
| Unit weight                                       | g/m <sup>2</sup>             |   | 52       |
| Thickness (including embossing height)            | Micron                       | Nikon Digi micro MFC-101  | 67       |
| Thickness (actual) BOPP + adhesive                |                              |   | 30+ 17   |
| Yield   | M <sup>2</sup> kg            |   | 20.8     |
| Bond strength                                     |                              |   | 25N/25mm |
| Surface Tension > inside (Glue)                   | Dynes/cm                     |   | 42       |
| Surface Tension > outside (film)                  | Dynes/cm                     |   | 37       |
| Gloss MD<br>Un-laminated                          | Erichsen gloss<br>master 500 | 60°   | 18-22    |
| Gloss MD<br>Laminated at 85°C                     |                              | 60°   | 32-39    |
| not FDA (food) approved                           |                              | Note! After laminating the gloss of the film can vary depending on laminating temperature and laminating pressure |          |
| Recommended Laminating Temperature (minimum 85°C) | °C                           | Results can vary depending on paper thickness, laminating temperature and pressure                                | 85-110   |

MD = Machine direction

Disclaimer: The information provided above is to the best of knowledge of the supplier. The values provided are test results, which are indicative only and provided as guidelines.

The aforementioned data are given most conscientiously but without any obligation. Any processing details are provided merely for guidance it is the user's responsibility to check the suitability of the product for the intended application.

Warranty: This product has a warranty of 180 days from the date on the invoice. Claims after 180 days from the date on the invoice for any reason will not be accepted. Please always have the full label details of the roll available for warranty purposes.