

## CHARACTERISTICS OF DIGI-MELT GLOSS BOPP LAMINATING FILM

1. TYPE : DIGI-MELT (Glossy type of Thermal Laminating Film)
2. APPLICATION : BOOK COVER & PRINTS, PHOTO and PAPERS
3. MELTING TEMPERATURE : 70 ~ 120°C or less on the Laminator  
(Depend on the machine and its lamination speed)
4. SPECIFICATION

| PROPERTIES              |                  | UNIT                    | TYPICAL VALUES       | TEST METHOD |
|-------------------------|------------------|-------------------------|----------------------|-------------|
| AVERAGE THICKNESS       | X-BAR            | $\mu\text{m}$           | 40 mic               | PKC-METHOD  |
|                         | R-BAR            |                         | 2% +/-               |             |
| TREATMENT               |                  | DYNE/CM                 | I. S 44 ↑, O. S 38 ↑ |             |
| TENSILE STRENGTH        | MD               | $\text{kg}/\text{mm}^2$ | 12                   | ASTM        |
|                         | TD               |                         | 15.8                 | D-882       |
| ELONGATION AT BREAK     | MD               | %                       | 168                  | ASTM        |
|                         | TD               |                         | 45                   | D-882       |
| HEAT SHRINKAGE          | MD               | %                       | 1.5                  | ASTM        |
|                         | TD               |                         | 0.3                  | D-1204      |
| COEFFICIENT OF FRICTION | OUT/INSIDE       | US                      | 1.1/0.36             | ASTM        |
|                         | OPP/OPP          | UK                      | 1.0/0.26             | D-1894      |
| Haze GLOSS              | BASE FILM<br>45° | %                       | 2.2                  | ASTM D-1003 |
|                         |                  |                         | 148                  | ASTM D-2457 |

\*\*\* The above data is based on BOPP Laminating Film.

\*\*\* All properties are tested under standard laboratory conditions;

23 ±2°C : 50 ±5% RH, unless otherwise stated.

\*\*\* MD : Machine Direction, TD : Transverse Direction

\*\*\* The above data is for reference

(Provisional)