

# F-PAB-M

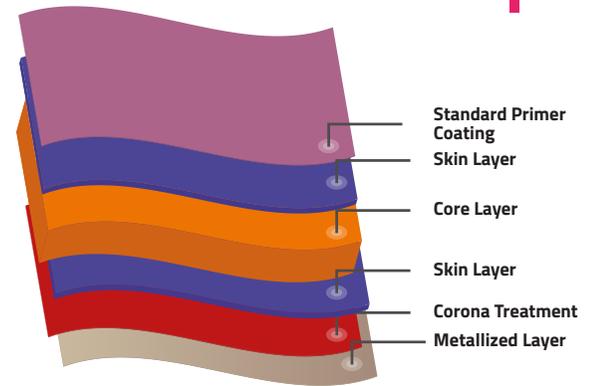
## BALLOON APPLICATION FILM

Base polyester is one side Standard Primer Coated with the other side Corona Treated. F-PAB-M is a metallized BOPET film having improved barrier properties. The film is available with an optical density of 2.8. The metallization is available on the Corona Treated surface (MT) giving a bond strength between the metal and the film a minimum of 130gm/25mm.

### KEY FEATURES:

- Improved barrier properties
- Good mechanical properties
- Excellent machinability & handling properties

## FILM STRUCTURE



### APPLICATION:

- Balloon application

| PROPERTIES   |          | TEST METHOD          | UNIT                          | TYPICAL VALUES                                    |       |       |
|--|----------|----------------------|-------------------------------|---|-------|-------|
| OPTICAL DENSITY***<br>(TOLERANCE: +/- 5%)<br>(***Customer to specify the OD value as per their specification.) |          |                      |                               | Very High Density (VHD) 2.8 - Special Application |       |       |
| THICKNESS  | Internal | Micron               | 8                             | 9   | 12    |       |
|  |          | (Gauge)              | 32                            | 36  | 48    |       |
| YIELD  | Internal | m <sup>2</sup> / kg  | 89.28                         | 79.36   | 59.52 |       |
|  |          | in <sup>2</sup> / lb | 62901                         | 55912   | 41934 |       |
| SURFACE TENSION (min) # ★<br>(Standard Primer Coated surface)  |          | ASTM D-2578          | dyne/cm                       | 40  |       |       |
| COF (max)<br>(One side to the other)   |          | ASTM D-1894          | -                             | 0.70  |       |       |
| TENSILE STRENGTH<br>AT BREAK (min)   | MD       | ASTM D-882           | kg/cm <sup>2</sup>            | 2300  | 2300  | 2300  |
|  | TD       |                      |                               | 2500  | 2500  | 2500  |
|  | MD       |                      | (Psi)                         | 32700   | 32700 | 32700 |
|  | TD       |                      |                               | 35500   | 35500 | 35500 |
| ELONGATION AT BREAK<br>(min)   | MD       | ASTM D-882           | %                             | 100   | 100   | 105   |
|  | TD       |                      |                               | 80  | 80    | 85    |
| LINEAR SHRINKAGE (max)<br>(30 Minute at 105°C)   | MD       | ASTM D-1204          | %                             | 1.5   |       |       |
|  | TD       |                      |                               | 0.6   |       |       |
| MVTR (38° C & 90% RH) (typical)  |          | ASTM F-1249          | gm/m <sup>2</sup> /day        | VHD   |       |       |
|  |          |                      |                               | 0.4   |       |       |
|  |          |                      | (gm/100 in <sup>2</sup> /day) | 0.03  |       |       |
| OTR (23° C & 0% RH) (typical)  |          | ASTM D-3985          | cc/m <sup>2</sup> /day        | 0.8   |       |       |
|  |          |                      |                               | 0.05  |       |       |
|  |          |                      | (cc/100 in <sup>2</sup> /day) |   |       |       |

★ This dyne value is applicable only for NAFTA, SA, and Poland manufacturing plants.

# The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

### STORAGE & HANDLING

FLEXMETPROTECT™ needs to be stored in a warehouse below 35° C (95° F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXMETPROTECT™ is suitable for use within 180 days from the date of shipment.

### FOOD CONTACT

FLEXMETPROTECT™ complies with EU and FDA regulations on plastic materials used for food grade application. Specific documents and SDS are available on request.

### DISCLAIMER

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