FLEXMETPROTECT™ B-TVL-M is a metallized BOPP film having metal deposit on corona treated side other side sealable.

**Key Features:**
- High seal integrity
- Low heat seal initiation temperature
- Excellent hot tack properties
- Superior Barrier Properties
- Excellent metal anchorage

**Applications:**
- Packaging and Conversion
- High Speed packaging application

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD (ASTM)</th>
<th>UNIT</th>
<th>15</th>
<th>18</th>
<th>20</th>
<th>25</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OPTICAL DENSITY</strong>**(a)**</td>
<td></td>
<td>TYPICAL VALUE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(TOLERANCE: +/- 5%)</td>
<td></td>
<td>-</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td><strong>THICKNESS</strong></td>
<td>Internal</td>
<td>Micron</td>
<td>15</td>
<td>18</td>
<td>20</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td><strong>FILM DENSITY</strong></td>
<td>D-1505</td>
<td>gm/cc</td>
<td>0.90</td>
<td>0.90</td>
<td>0.90</td>
<td>0.90</td>
<td>0.90</td>
</tr>
<tr>
<td><strong>GRAMMAGE</strong></td>
<td>Internal</td>
<td>gm/m²</td>
<td>13.50</td>
<td>16.20</td>
<td>18.00</td>
<td>22.50</td>
<td>27.00</td>
</tr>
<tr>
<td><strong>YIELD</strong></td>
<td>Internal</td>
<td>m²/kg</td>
<td>74.07</td>
<td>61.73</td>
<td>55.56</td>
<td>44.44</td>
<td>37.04</td>
</tr>
<tr>
<td><strong>TREATMENT LEVEL</strong></td>
<td>D-2578</td>
<td>In²/cm²</td>
<td>52185</td>
<td>43491</td>
<td>39144</td>
<td>31309</td>
<td>26096</td>
</tr>
</tbody>
</table>

**TENSILE STRENGTH AT BREAK**
- **MD**
  - D-882 Kg/cm²
    - 1200
    - 2500
  - (Psi)
    - 17000
    - 35500
  - %
    - 60
    - 160
  - Kg/cm²
    - 18000
    - 30000
  - %
    - 426
    - < 3.0
- **TD**
  - D-882 Kg/cm²
    - 1200
    - 2500
  - %
    - 60
    - 160
  - Kg/cm²
    - 18000
    - 30000
  - %
    - 426
    - < 3.0

**ELONGATION AT BREAK**
- **MD**
  - D-882 %
    - 60
    - 160
- **TD**
  - D-882 %
    - 60
    - 160

**MODULUS OF ELASTICITY**
- **MD**
  - D-882 Kg/cm²
    - 18000
    - 30000
  - (KPsi)
    - 255.6
    - 255.6
- **TD**
  - D-882 Kg/cm²
    - 18000
    - 30000
  - (KPsi)
    - 255.6
    - 255.6

**LINEAR SHRINKAGE** (Max.)
- **MD**
  - D-1204 %
    - 426
    - < 3.0
- **TD**
  - D-1204 %
    - 426
    - < 3.0

**HEAT SEAL INITIATION TEMPERATURE**
- Internal °C
  - 105
  - 105

**HEAT SEAL STRENGTH**
- Internal gm/25mm
  - 225
  - 275

**W.V.T.R. (38°C & 90%RH)**
- F-1249 gm/m²/day
  - 1.1
- (gm/100in²/day)
  - 0.07
- cc/m²/day
  - 1.0
- (cc/100in²/day)
  - 0.06

**O.T.R. (23°C & 0%RH)**
- D-3985 Kg/m²/day
  - 125

**STORAGE & HANDLING**
- FLEXMETPROTECT™ does not require special storage conditions. It is recommended to storage below 30°C in order to avoid any deterioration of the film surface properties. It is advisable to use the material on FIFO basis. The film should be kept at operating environment for 24 hours before processing. FLEXMETPROTECT™ is best suitable for use up to 3 months from date of dispatch.

**FOOD CONTACT**
- FLEXMETPROTECT™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

**DISCLAIMER**
- It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Flex Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.

**Website:** www.flexfilm.com