OPLAR SM B01 is Seailable Metallized BOPP film with one side heat sealable layer for use in general purpose applications. The film ensures enhanced moisture and gas barrier properties. The film performs well on all types of HFFS & VFFS machines.

**Product Features**
- Good metal adhesion and treatment retention
- Good sealing properties
- Good moisture and oxygen barrier
- Good run ability on HFFS and VFFS machines

**Typical Applications**
- Confectionary, snacks, ice cream & frozen food
- Typically used as an inner web in lamination

**Properties**
- **Unit**
  - Micron
  - g/m²
  - m²/kg
  - g/cc
- **Test Method**
  - Internal
- **Values**
<table>
<thead>
<tr>
<th>Properties</th>
<th>Unit</th>
<th>Test Method</th>
<th>15</th>
<th>18</th>
<th>20</th>
<th>25</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Thickness</td>
<td>Micron</td>
<td>Internal</td>
<td>15</td>
<td>18</td>
<td>20</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>Grammage</td>
<td>g/m²</td>
<td>ASTM D 1505</td>
<td>13.7</td>
<td>16.4</td>
<td>18.2</td>
<td>22.8</td>
<td>27.3</td>
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<tr>
<td>Yield</td>
<td>m²/kg</td>
<td>Internal</td>
<td>73.3</td>
<td>61.1</td>
<td>54.9</td>
<td>44.0</td>
<td>36.6</td>
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<tr>
<td>Density</td>
<td>g/cc</td>
<td>Internal</td>
<td></td>
<td></td>
<td></td>
<td>0.91</td>
<td></td>
</tr>
</tbody>
</table>

**Surface Properties**

**Mechanical Properties**
- **Tensile Strength**
  - MD kg/cm² ASTM D 882 1300 1300 1300 1300 1300
  - TD 2500 2500 2500 2500 2500
- **Tensile Elongation**
  - MD % ASTM D 882 190 190 190 190 190
  - TD 70 70 70 70 70
- **Elastic Modulus**
  - MD kg/cm² ASTM D 882 18000 18000 18000 18000 18000
  - TD 29000 29000 29000 29000 29000

**THERMAL PROPERTIES**
- **Shrinkage**
  - MD % Internal 4 4 4 4 4
  - TD 2 2 2 2 2
- **Heat Seal Range**
  - UT °C Internal 105-145
- **Heat Seal Strength**
  - UT/UT g/25mm 130°C/2 Bar/1 Sec 200 200 250 250 300

**Barrier Properties**
- **WVTR** g/m²/day ASTM F 1249 ≤0.50
- **OTR** cc/m²/day ASTM D 3985 <50

MD: Machine Direction, TD: Transverse Direction, TI: Treated Inside, TO: Treated Outside, UT: Untreated

**Printability:** Before processing of material refreshment with Corona treatment is strongly recommended. A suitable primer is also recommended when metallised surface is to be printed. Corona Treatment of the metallised film will decay with time & rapidity of the decay will depend upon length of storage & weather conditions. As a result we cannot guarantee for the period for which treatment will remain on the film.

**Disclaimer:** The information provided above is based on SRF FLEXIPAK conclusive tests, which are indicative only and provided as guidelines. Customers are solely responsible for the end use in all respects. Customers should verify the suitability of the film for its end use. SRF FLEXIPAK gives no warranty or accepts liability for any loss and fitness of the product for any specific purpose. SRF FLEXIPAK reserves the right to change the technical data sheet at any time for enhancing the quality of the product without prior information. **Storage Conditions** between 22-30°C & RH 40-60% is recommended in order to minimize the deterioration of the film properties in general. It is advisable to turn out the inventory on FIFO basis. The film should be conditioned in the operating environment for at least 24 hours before processing.