Coated OPP film barrier solutions

ACRYLIC

- Excellent flavor and aroma barrier
- Good protection from external contamination (mineral oils)

PVdC

- Excellent flavor and aroma barrier
- Good protection from external contamination (mineral oils)
- Good moisture barrier
- Good gas barrier (O₂, N₂, CO₂)
- Resistance to fats (swelling)
- Resistance to alcohols (whitening)

PVOH

- Excellent flavor and aroma barrier
- Great protection from external contamination
- Outstanding gas barrier (O₂, N₂, CO₂)
- Moisture sensitivity use in dry applications
**CREAM FILLED SPONGE CAKE SENSORY ANALYSIS**

Enhanced shelf life with acrylic coating

A professional panel assessed the quality of these cream filled sponge cakes with marzipan and documented improved quality over a 12 week storage period at 20°C and 50% relative humidity (RH). Low rating is favorable on scale of 1-7. Jindal Films data.

<table>
<thead>
<tr>
<th>Global appreciation</th>
<th>Marzipan aroma</th>
<th>Chocolate aroma</th>
<th>Alcohol aroma</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Marzipan taste

Alcohol taste

Sweet taste

Enhanced shelf life with acrylic coating

Flavor aroma protection provided by acrylic

Acrylic coating provides excellent barrier to aroma, like lemon flavors such as D-limonene, keeping products tasting good and fresh. Jindal Films data.

**PVdC**

**BUTTER BISCUITS SENSORY ANALYSIS**

Safeguarding freshness and quality with PVdC

The sensory panel confirms that PVdC coating offers a longer product shelf life and better biscuit taste than a coextruded white film. Low rating is favorable on scale of 1-7. Jindal Films data.

<table>
<thead>
<tr>
<th>Global appreciation</th>
<th>Butter aroma</th>
<th>Rancidity taste</th>
<th>Crispness</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>5</td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

Butter taste


![D-LIMONENE PERMEATION](image)

**MOISTURE BARRIER PERFORMANCE THROUGH COATING**

Water vapor Transfer Rate at 38°C 90% relative humidity (RH).

Moisture barrier through coating

Moisture barrier may be improved by coatings. While maintaining transparency, film water vapor barrier may be increased with PVdC coating. High barrier PVdC coating can be found on MB768 film type. Jindal Films data.

**Contact your Jindal Films representative for more information**

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