SYL-OFF™ SL 351 Coating
Reduce soak-in for hygiene and porous substrate application

SYL-OFF™ SL 351 Coating reduces soak-in for porous substrates, allowing producers to realize cost gains through less expensive paper and decreased silicone usage. It has a more stable release profile, is suitable for high-speed coating (anti-misting) and has an additional cost benefit from low platinum usage.

**Trends in porous paper applications**

Hygiene release is a major segment in release liner market, growing steadily with population growth and urbanization. Beyond hygiene, cost-effective papers are gaining popularity, but they are more porous. This has driven a need in the market for release coating solutions that can provide reduced soak-in with balanced performance.

SYL-OFF™ SL 351 Coating is a unique release coating that offers:

- Up to 29% of silicone saving due to less soak-in versus existing solutions in the market, depending on formulation, coating speed and paper type
- Eliminates the need for PE lamination on KRAFT paper
- Can run at higher speeds (300-500m/min)
- Can use higher temperatures
- Easy to recycle with minimum waste

**Up to 29% silicone saving under high speed coating on MG paper versus Dow reference product A**

- **Products**
  - Product A
  - SL 351
- **Polymer/test conditions**
  - Release TESA 7475 g/in
  - 23C x 20H
  - 70C x 20H
  - 23C x 20H
  - 70C x 20H

**Release profile reference product A vs SL 351**

- **Graph**
  - Vertical axis: TESA 7475 g/in
  - Horizontal axis: Time and Temperature
  - Bars for Product A and SL 351
Release profile of reference product B vs SL 351

Material properties

<table>
<thead>
<tr>
<th>Test</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Chemical nature</td>
<td>Reactive siloxane polymer</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>%</td>
<td>100%</td>
</tr>
<tr>
<td>Active ingredient</td>
<td>%</td>
<td>100%</td>
</tr>
<tr>
<td>Specific gravity at 25°C (77°F)</td>
<td>g/cm³</td>
<td>0.98</td>
</tr>
<tr>
<td>Viscosity at 25°C (77°F)</td>
<td>cS</td>
<td>520</td>
</tr>
</tbody>
</table>

Features & benefits:
- Better coverage for porous paper substrates
- Balance of viscosity and soak-into substrate
- Low platinum
- Stable release
- Anti-misting technology

Applications:
- Porous paper applications
- Hygiene application
- Non-sticky packaging
- Industrial release liner
- Applications with aggressive adhesives
- Bakery, microwavable food wrappers, food release applications

Formulated with:
- SYL-OFF™ 7682-055 Crosslinker
- SYL-OFF™ SL 11 Crosslinker
- SYL-OFF™ SL 12 Crosslinker
- SYL-OFF™ 4000 Catalyst

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Up to 26% silicone saving versus benchmark product