BASF Paper Coating Offerings for Food Contact Board Grades
Our broad range of products covers a great number of applications in the coating of board, graphic papers and specialty papers:

- Our Acronal® grades are dispersions based on copolymers consisting of acrylic ester and styrene while the Styronal® brand grades are based on styrene-butadiene copolymers.

- With the Basonal® binder concept, we are further able to supply tailor-made products.

- Cobinders, thickeners and insolubilizers complement the competitive offer to the market.
Our Styronal® Series

The Styronal® portfolio

Styronal® grades are aqueous dispersions of copolymers of styrene-butadiene with a solids content of approximately 50%.

Our Styronal® products are designed to achieve excellent performance characteristics in regards to binding power, printability and runnability.

★ Styronal® ES grades:

Within our comprehensive Styronal® portfolio, ES grades are specially optimized for low VOC and low odor, thus a good choice for standard food contact board applications.
Our Basonal® Series – Tailor-Made for Your Individual Needs

The Basonal® portfolio

Basonal® grades are tailor-made aqueous dispersions for specific target applications and / or customer needs leveraging our in-depth technology toolbox and deep understanding of our individual customers’ needs.

★ Basonal® Food Contact Board grades, short: Basonal® FCB:

Our latest Basonal® generation is called Basonal® FCB and is tailor-made for the specific high-performance requirements in various food contact materials.
Unmet Need: Low odor/low VOC binder for food contact board fully compliant with latest regulations with no compromises on cost / performance

- Increased Sustainability
  - Low Odor / low VOC
  - Low Emission
  - Environmental-friendly

- Regulatory
  - GB 9685 – for paper application
  - US FDA – 176.170, 176.180
  - Germany, BFR – xxxvi
  - No Formaldehyde

- Customer Needs

- Good Performance
  - Binding Power
  - Printability
  - Runnability
  - Calcium Stability

- Cost in Use
  - At competitive cost
BASF’s Response:
Basonal® FCB – Tailor-Made 3-in-1 Solution for Food Contact Board

Basonal® FCB – Our 3-in-1 Solution for Food Contact Board

1. Low Odor / Low VOC
2. GB 9685 Compliant
3. Excellent Printability
Our Acronal® Series – For Ultimate Printability and Liquid Packaging Board

The Acronal® portfolio

Acronal® grades are aqueous dispersions based on copolymers consisting of acrylic ester and styrene with a solids content of approximately 50 %.

Advantages of these dispersions are excellent print evenness in offset and rotogravure and a very low level of thermo- and UV-yellowing and odor.

Our Acronal® products enable performance characteristics like binding power, good printability for all common printing processes and excellent runnability even at high machine speed.

★ Acronal® S 728 ap for LPB:

Our GB 9685 compliant market-leading acrylic dispersion for Liquid Packaging Board application – successfully proven across the globe for more than one decade.
Portfolio Overview
## Our Styronal® ES grades – Standard Products with optimized VOC and low odor

<table>
<thead>
<tr>
<th>Product name</th>
<th>Film properties (1)</th>
<th>Odor</th>
<th>GB 9685 (2)</th>
<th>FDA reg. 21 CFR (2)</th>
<th>BfR XXXVI (2)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styronal® ES 7900</td>
<td>soft</td>
<td>low</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Styronal® ES 7902</td>
<td>medium</td>
<td>low</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Styronal® ES 7936</td>
<td>medium-hard</td>
<td>low</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
</tbody>
</table>

(1) Film properties: <= 0 °C: soft; 0 – 10 °C: medium; 10 - 20 °C: medium-hard ; > 20 °C: hard ;
(2) In any case regarding food contact status, the above does not replace the detailed information in the Food Contact Compliancy statement. For more detailed information on specific country requirements and conditions of use, please refer to the relevant Food Contact Compliancy statement. Please contact your account representative to get the full statement.
Our Tailor-Made Basonal® FCB Grades for high-performance Food Contact Board

<table>
<thead>
<tr>
<th>Product name</th>
<th>Film properties (1)</th>
<th>Odor</th>
<th>GB 9685 (2)</th>
<th>FDA reg. 21 CFR (2)</th>
<th>BfR XXXVI (2)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basonal® FCB 7961</td>
<td>soft</td>
<td>yes</td>
<td>yes</td>
<td>176.170 176.180</td>
<td>yes</td>
<td>Tailor-Made, low VOC / very low odor latex grades with outstanding printability</td>
</tr>
<tr>
<td>Basonal® FCB 7962</td>
<td>medium</td>
<td>very low</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Basonal® FCB 7963</td>
<td>medium</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>

(1) Film properties: <= 0 °C: soft; 0 – 10 °C: medium; 10 - 20 °C: medium-hard ; > 20 °C: hard ;
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# Acronal® S 728 ap – Our Market-Leading Acrylic Dispersion for Liquid Packaging Board

<table>
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<th>Film properties (1)</th>
<th>Odor</th>
<th>GB 9685 (2)</th>
<th>FDA reg. 21 CFR (2)</th>
<th>BfR XXXVI (2)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acronal® S 728 ap</td>
<td>hard</td>
<td>very low</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

- **Remarks:** Ideal Latex for Liquid Packaging Board thanks to its excellent printability and convertability properties.

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(2) In any case regarding food contact status, the above does not replace the detailed information in the Food Contact Compliancy statement. For more detailed information on specific country requirements and conditions of use, please refer to the relevant Food Contact Compliancy statement. Please contact your account representative to get the full statement.
# Contact Details
If you want to learn more about our offerings

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