FIBRE
SPIN FINISHES
FOR NONWOVENS
FINISHES FOR THE PRODUCTION OF NONWOVENS

- Drylaid (Spunlaid and Carded)
- Airlaid
- Wetlaid

APPLICATIONS

- Hygiene and Personal Care
- Wipes
- Household
- Technical
- Packing and Wrapping
- Medical
- Filtration
**Production of Short Cut Fibres**
- Paper reinforcement
- Concrete reinforcement
- Fibre reinforced composites

**Staple Fibre Production / Carding Process**
- Carded nonwovens for hygiene and personal care, household, I&I
- Thermobonding, spunlacing, chemical bonding, air through bonding
- Needle felt: needle punched

**Spunbond / Meltblown Nonwovens**
- Spunlaid nonwovens for hygiene and personal care, household, I&I
- Medical, protective clothing
<table>
<thead>
<tr>
<th>SILASTOL</th>
<th>IONOGENITY</th>
<th>ACTIVE CONTENT (%)</th>
<th>SOFT TOUCH</th>
<th>FIBRE POLYMER</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DL 2 M</td>
<td>anionic</td>
<td>80</td>
<td></td>
<td>PET</td>
<td>durable hydrophilic</td>
</tr>
<tr>
<td>GF 18</td>
<td>anionic</td>
<td>75</td>
<td></td>
<td>PP</td>
<td>hydrophilic, FDA*</td>
</tr>
<tr>
<td>GF 602 D</td>
<td>anionic</td>
<td>75</td>
<td></td>
<td>PP</td>
<td>hydrophilic</td>
</tr>
<tr>
<td>GF 2011</td>
<td>anionic</td>
<td>77</td>
<td></td>
<td>PP</td>
<td>hydrophilic, FDA*, EU No 10/2011**</td>
</tr>
<tr>
<td>HB</td>
<td>cationic</td>
<td>100</td>
<td>✓</td>
<td>PP</td>
<td>hydrophobic, for backsheets</td>
</tr>
<tr>
<td>LMF 8</td>
<td>anionic</td>
<td>50</td>
<td></td>
<td>PP, PET, Bico</td>
<td>airlaid, FDA**</td>
</tr>
<tr>
<td>PHP 10</td>
<td>anionic</td>
<td>85</td>
<td></td>
<td>PP, Bico</td>
<td>durable hydrophilic</td>
</tr>
<tr>
<td>PHP 26/16</td>
<td>cationic</td>
<td>17/80</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, low wash-off</td>
</tr>
<tr>
<td>PHP 90</td>
<td>cationic</td>
<td>60</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, air through and thermobonding</td>
</tr>
<tr>
<td>SL 201/15</td>
<td>anionic</td>
<td>97/50</td>
<td></td>
<td>PET, Viscose</td>
<td>low foaming, for hydroentanglement, FDA*</td>
</tr>
<tr>
<td>PP 77/88</td>
<td>cationic</td>
<td>91/96</td>
<td>✓</td>
<td>Bico</td>
<td>durable hydrophilic, air though bond</td>
</tr>
</tbody>
</table>

*FDA = all components of the product are listed in CFR, Title 21 FDA (indirect food contact); some restrictions may apply.

**EU No10/2011 = all components are listed in EU Regulation No10/2011, some restrictions may apply.
### SPUNLAID NONWOVENS

<table>
<thead>
<tr>
<th>SILASTOL</th>
<th>IONOGENITY</th>
<th>ACTIVE CONTENT [%]</th>
<th>SOFT TOUCH</th>
<th>FIBRE POLYMER</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>163</td>
<td>anionic</td>
<td>94</td>
<td></td>
<td>PP, Bico</td>
<td>durable hydrophilic, low wetback, FDA*, for topsheet</td>
</tr>
<tr>
<td>186 F</td>
<td>nonionic</td>
<td>100</td>
<td></td>
<td>PP</td>
<td>durable hydrophilic, FDA*, for wipes</td>
</tr>
<tr>
<td>GF 16</td>
<td>anionic</td>
<td>75</td>
<td></td>
<td>PP</td>
<td>hydrophilic, FDA*, for wipes</td>
</tr>
<tr>
<td>HB</td>
<td>cationic</td>
<td>100</td>
<td>✓</td>
<td>PP</td>
<td>backsheets</td>
</tr>
<tr>
<td>PHP 8</td>
<td>nonionic</td>
<td>98</td>
<td></td>
<td>PP</td>
<td>durable hydrophilic, for topsheet, no leakage</td>
</tr>
<tr>
<td>PHP 26</td>
<td>cationic</td>
<td>17</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, low wash-off, for corecover and topsheet</td>
</tr>
<tr>
<td>PHP 28</td>
<td>cationic</td>
<td>17</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, for topsheet</td>
</tr>
<tr>
<td>PHP 90</td>
<td>cationic</td>
<td>60</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, for topsheet and ADL</td>
</tr>
<tr>
<td>PHP 207</td>
<td>anionic</td>
<td>96</td>
<td>✓</td>
<td>PP, Bico</td>
<td>durable hydrophilic, for topsheet</td>
</tr>
<tr>
<td>PST-N</td>
<td>anionic</td>
<td>76</td>
<td></td>
<td>PP</td>
<td>hydrophilic, for topsheet</td>
</tr>
</tbody>
</table>

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### SPUNLAID NONWOVENS FOR PROTECTIVE CLOTHING AND MEDICAL APPLICATIONS

<table>
<thead>
<tr>
<th>POLYFIX</th>
<th>IONOGENITY</th>
<th>ACTIVE CONTENT [%]</th>
<th>FIBRE POLYMER</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-FC</td>
<td>anionic</td>
<td>55</td>
<td>PP, PET</td>
<td>excellent antistatic agent, suitable for the combination with fluorocarbon products</td>
</tr>
</tbody>
</table>

### STAPLE FIBRES FOR NEEDLE FELT

<table>
<thead>
<tr>
<th>SILASTOL</th>
<th>IONOGENITY</th>
<th>ACTIVE CONTENT [%]</th>
<th>FIBRE POLYMER</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 G 92</td>
<td>anionic</td>
<td>80</td>
<td>PP, PET</td>
<td>approved Standard Finish, low odor, low fogging</td>
</tr>
<tr>
<td>80 G 33 NF</td>
<td>anionic</td>
<td>99</td>
<td>PP, PET, m-Aramid</td>
<td>excellent heat stability, low odor, low fogging</td>
</tr>
<tr>
<td>P 800 E</td>
<td>anionic</td>
<td>91</td>
<td>PET</td>
<td>low odor, excellent antistatic properties, FDA*</td>
</tr>
</tbody>
</table>

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### SHORT CUT FIBRES

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<table>
<thead>
<tr>
<th>SILASTOL</th>
<th>IONOGENITY</th>
<th>ACTIVE CONTENT [%]</th>
<th>FIBRE POLYMER</th>
<th>PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUT 8</td>
<td>nonionic</td>
<td>35</td>
<td>Bico, PET, PP</td>
<td>CUT 11, FDA* solely for airlaid, in combination with CUT 8 for wetlaid and paper reinforcement</td>
</tr>
<tr>
<td>CUT 11</td>
<td>anionic</td>
<td>50</td>
<td>Bico, PET, PP</td>
<td></td>
</tr>
<tr>
<td>CUT 60</td>
<td>anionic</td>
<td>96</td>
<td>PP</td>
<td>wetlaid, low foaming, FDA*</td>
</tr>
<tr>
<td>CUT 80</td>
<td>anionic</td>
<td>75</td>
<td>PP, PE, Bico</td>
<td>concrete reinforcement, wetlaid, FDA*</td>
</tr>
<tr>
<td>CUT 90 T</td>
<td>cationic</td>
<td>60</td>
<td>PET, PP</td>
<td>durable, hydrophilic, for wetlaid, reinforcement</td>
</tr>
</tbody>
</table>
SCHILL+SEILACHER AT A GLANCE

→ **BOEBLINGEN**
  **SPECIALITY CHEMICALS FOR:**
  FIBRES  
  TEXTILES  
  LEATHER  
  PAPER  
  COSMETICS  
  FINE CHEMICALS

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011  
RSPO CERTIFICATION MASS BALANCE

→ **HAMBURG**
  **SPECIALITY CHEMICALS FOR:**
  RUBBER ADDITIVES  
  ANTIFOAMS  
  EPOXY PREPOLYMERS  
  AND FLAME RETARDANTS  
  LATEX ADDITIVES  
  SILICONES  
  RELEASE AGENTS

DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 50001:2011

→ **PIRNA**
  **SPECIALITY CHEMICALS FOR:**
  SILICONES  
  PU INDUSTRY  
  PAPER  
  TEXTILES  
  COSMETICS  
  FIBRES  
  LEATHER

DIN EN ISO 9001:2015  
(ONLY FOR BOEBLINGEN PRODUCTS)

→ **HUDSON / OHIO / USA**
  **PRODUCER OF:**
  NANOFIBRE MATRICES

DIN EN ISO 9001:2015  
DIN EN ISO 13485:2003

→ **STOW / OHIO / USA**
  **VILLA RICA / GEORGIA / USA**
  **SPECIALITY CHEMICALS FOR:**
  PLASTICS  
  WOOD COMPOSITES  
  RUBBER  
  LEATHER

DIN EN ISO 9001:2008
Disclaimer:
Above mentioned technical specifications rely on an analysis as of: 06.2018.

The mentioned attributes and application proposals are only non-binding application possibilities and application proposals for our products. Our advice and recommendations whether verbal, in writing or by way of tests do not excuse the customer from his or her own examination regarding the applicability for the intended procedures and purposes. The mentioned attributes and application proposals are no assurance for a certain further processing. Any assurances must be agreed upon explicitly and in writing between the customer and us.

We also advise you, that any further processing and the distribution of the further processed products is part of the customers sole scope of responsibilities as the producer of the new product.

Any Questions?
Our service team will be pleased to answer any questions and to assist you with advice and information at all times. We can also advise you of the contact data of our local offices and agencies. Data sheets and samples of our products are available upon request.

For more information please contact:

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