SELECTION GUIDE

FOR A VARIETY OF APPLICATIONS

BELSIL® elastomer gels and elastomer resin gels are ideal for formulating a wide variety of applications, ranging from skin care to color cosmetic products.

INSERT TABLE HERE

HOW CAN WE HELP YOU?

We will gladly help you turn your products into bestsellers. WACKER silicones products foster innovation by offering considerable added value. Our technical experts will gladly help you develop products that reflect current trends and are tailored to regional demands.

For more information, visit us at www.wacker.com/belsil

BELSIL® is a registered trademark of Wacker Chemie AG.

SILICONE ELASTOMER GEL – SHAPING YOUR SENSORY EXPERIENCE

PERSONAL CARE | BELSIL®
WHY ELASTOMER GELS?

A distinct sensory experience has become one of the most desired attributes for skin care and cosmetic products. BELSIL® elastomer gels from WACKER give your skin the unique sensory soft feel it desires.

Because at WACKER, we understand that when it comes to the skin, feeling is believing.

BELSIL® elastomer gels are especially formulated for today’s trends, and to meet ever-evolving market demands for products that deliver a unique sensory experience.

BELSIL®: RG 100

- Provides a silky touch
- Adds a cushiony, silky feel
- Adds a long-lasting effect
- Adds water resistance
- Easy to apply
- Improve the film building

Why Elastomer Gels?

A trend toward products with exceptional skin profiles has driven the skin care and cosmetic markets for the past five years. A laydown sensation produces a sense of luxury, which makes application a more pleasurable experience.

The BELSIL® elastomer gel product series enhances this effect in your formulation, offering you an unforgettable sensory experience with multiple other benefits for your skin.

A Sophisticated Architecture for a High-Performance Material

A standard silicone elastomer gel comprised of highly crosslinked siloxane gel particles exists in a solvent. BELSIL® elastomer gels are comprised of polydimethylsiloxane elastomer gel active and siloxane at different viscosities, which help make your products feel like. In elastomer resin gels, the film forming property provides the functionality of the formulation. The following figure shows our BELSIL® REG 1102 product as an example:

BELSIL® elastomer gel series taps the market for offerings that deliver true sensory performance. The following figure shows our BELSIL® REG 1102 product as an example:

Key Benefits

- Adding a cushiony, silky feel
- Reduces reactivity
- Forms a homogeneous coating
- Increases the transfer resistance
- Improves the film building
- Adds a long-lasting effect
- Adds water resistance
- Easy to spread

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>BELSIL® RG 90</th>
<th>BELSIL® RG 100</th>
<th>BELSIL® REG 1102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid content (% dry gel)</td>
<td>50%</td>
<td>28%</td>
<td>11%</td>
</tr>
<tr>
<td>Solvent (g/gel)</td>
<td>Isododecane</td>
<td>Cyclopentasiloxane</td>
<td>Dimethicone</td>
</tr>
<tr>
<td>Viscosity (mPa*s)</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>0.87</td>
<td>0.99</td>
<td>0.99</td>
</tr>
<tr>
<td>Viscosity (mPa*s)</td>
<td>100000</td>
<td>100000</td>
<td>100000</td>
</tr>
<tr>
<td>Shelf life</td>
<td>Wet, powdery</td>
<td>Light, silky</td>
<td>Silky, velvety</td>
</tr>
</tbody>
</table>

PRODUCT PORTFOLIO

At WACKER, we believe in the best for your products. Our extensive product portfolio offers unlimited opportunities for perfecting your products.

BELSIL® EG 6000 is a silicone elastomer gel that is swollen in a solvent (dimethicone). It is easy to distribute on skin and gives an excellent soft and smooth skin feel.

BELSIL® elastomer gels exhibit streamlining rheology, which improves distribution of skin care creams and color cosmetics.

BELSIL® elastomer gels create long-lasting effects by improving the transfer resistance.

BELSIL® RG 90 and RG 100 create less tension between water droplets and surfaces.

SPECIAL FEATURES & PROPERTIES

BELSIL®: REG 1102

- Provides a silky touch
- Adds a cushiony, silky feel
- Adds a long-lasting effect
- Adds water resistance
- Easy to apply
- Improve the film building

BELSIL®: EG 6000 - EG 5 - REG 1102 - RG 100 - RG 90 - REG 102