Dow Corning® 9041 Silicone Elastomer Blend

FEATURES
- Similar to Dow Corning® 9040 Silicone Elastomer Blend, but contains a non-volatile dimethicone instead of cyclopentasiloxane
- Non-flammable
- Not tested on animals

BENEFITS
- Contributes a silky, smooth feel in formulations
- Long-lasting skin feel
- Provides thickening in anhydrous and w/o emulsion formulations
- Can be used in either hot or cold processes

COMPOSITION
- Silicone elastomer blended with a low viscosity (5cSt) dimethicone

INCI NAME: Dimethicone (and) Dimethicone Crosspolymer

APPLICATIONS
- Skin care
- Color cosmetics
- Antiperspirants & deodorants

TYPICAL PROPERTIES
Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

<table>
<thead>
<tr>
<th>CTM</th>
<th>Property</th>
<th>Unit</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>0050</td>
<td>Viscosity</td>
<td>mm²/s</td>
<td>300,000 - 500,000</td>
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| 0176| Appearance| | Clear to translucent paste.
| | | | May have slight yellow color.
| | | | Free of particulate matter

DESCRIPTION
Dow Corning® 9041 Silicone Elastomer Blend is similar to Dow Corning 9040 Silicone Elastomer Blend except that the cyclopentasiloxane in Dow Corning 9040 Silicone Elastomer Blend has been replaced with a non-volatile, low viscosity (5cSt) dimethicone.

HOW TO USE
To incorporate Dow Corning 9041 Silicone Elastomer Blend into a formula, it should be combined with the oil/silicone phase. Make certain Dow Corning 9041 Silicone Elastomer Blend is uniformly dispersed in the oil/silicone phase before proceeding. The viscosity of the Dow Corning 9041 Silicone Elastomer Blend decreases as it is diluted with other oils.

HOW TO USE
Figure 1 illustrates this effect when XIAMETER® PMX-200 Silicone Fluid 5 cSt is used as the diluent. Dow Corning 9041 Silicone Elastomer Blend is a high viscosity material, but like Dow Corning 9040 Silicone Elastomer Blend, it is strongly shear thinning and can be pumped using suitable equipment. Information about suitable equipment can be found in the product information sheet for Dow Corning 9040 Silicone Elastomer Blend. Because it contains a non-volatile carrier fluid Dow Corning 9041 Silicone Elastomer Blend can be used as a binder in pressed powder cosmetics.
PATENT POSITION
Dow Corning is the exclusive licensee of U.S. Patent No. 5,599,533; US Patent No. 6,027,738 and U.S. Patent No. 6,387,405 and any foreign equivalents thereof. Under this license the Licensor covenants not to enforce these patents against any third party who is making, using or selling products covered by these patents for so long as that third party is able to show that they purchased the silicone elastomer used in their product directly from Dow Corning or a Dow Corning distributor.

LIMITATIONS
This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION
To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult your local Dow Corning representative.

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The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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Figure 1: Dow Corning 9041 Silicone Elastomer Blend dilution curve (diluted with XIAMETER® PMX-200 Silicone Fluid 5cSt)