

# 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.

CTM <sup>1</sup>	Property	Unit	Result
0050	Viscosity	mm <sup>2</sup> /s	300,000 - 500,000
0176	Appearance		Clear to translucent paste. May have slight yellow color. Free of particulate matter

CTM<sup>1</sup>: Corporate Test Method, copies of CTMs are available on request

## 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.

## **HANDLING PRECAUTIONS**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

## **USABLE LIFE AND STORAGE**

When stored between -30°C (-22°F) and 60°C (140°F) in the original unopened containers, this product has a usable life of 24 months from the date of production.

## **PACKAGING INFORMATION**

This product is available in 15kg cans and 180kg drums.

Samples are available in 0.4kg tubs

## **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](http://dowcorning.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

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.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

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.

**DOW CORNING SPECIFICALLY  
DISCLAIMS ANY OTHER  
EXPRESS OR IMPLIED  
WARRANTY OF FITNESS FOR A  
PARTICULAR PURPOSE OR  
MERCHANTABILITY.**

**DOW CORNING DISCLAIMS  
LIABILITY FOR ANY  
INCIDENTAL OR  
CONSEQUENTIAL DAMAGES.**

*We help you invent the future.™*

**[dowcorning.com](http://dowcorning.com)**

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

