



DOWSIL™ 9041 Silicone Elastomer Blend

INCI NAME: Dimethicone (and) Dimethicone Crosspolymer

Features & Benefits

- Similar to DOWSIL™ 9040 Silicone Elastomer Blend, but contains a non-volatile dimethicone instead of cyclopentasiloxane
- Non-flammable
- Not tested on animals
- 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 (5 cSt) dimethicone

Applications

- Skin care
- Color cosmetics
- Antiperspirants & deodorants

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

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

1. CTM: Corporate Test Method, copies of CTMs are available on request

Description

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

How to Use

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

Figure 1 illustrates this effect when XIAMETER™ PMX-200 Silicone Fluid 5 cSt is used as the diluent. DOWSIL™ 9041 Silicone Elastomer Blend is a high viscosity material, but like DOWSIL™ 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 DOWSIL™ 9040 Silicone Elastomer Blend. Because it contains a non-volatile carrier fluid DOWSIL™ 9041 Silicone Elastomer Blend can be used as a binder in pressed powder cosmetics.

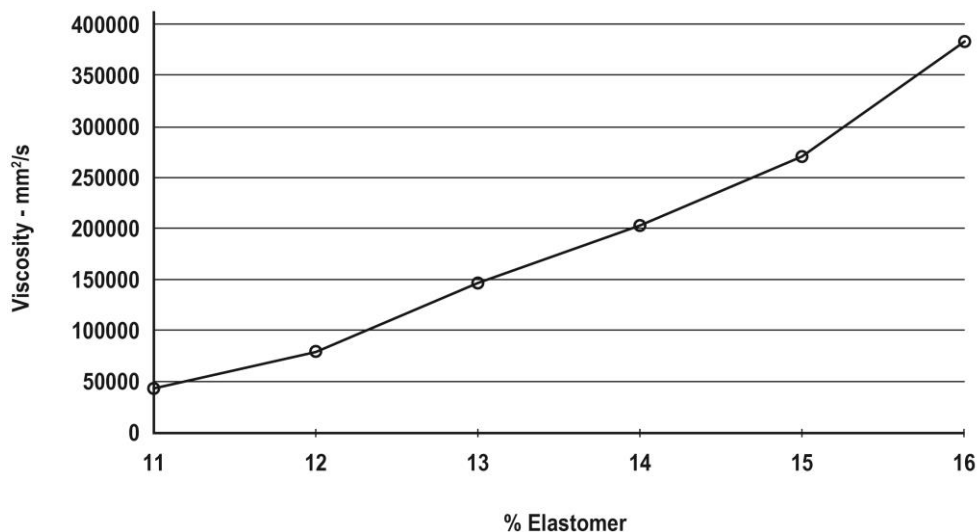


Figure 1: DOWSIL™ 9041 Silicone Elastomer Blend dilution curve (diluted with XIAMETER™ PMX-200 Silicone Fluid 5 cSt)

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW 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 15 kg cans and 180 kg drums.

Samples are available in 0.4 kg 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 has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

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

consumer.dow.com

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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