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TECHNICAL DATA SHEET

## Silmer®G-162

### **DESCRIPTION**

**Silmer®G-162** is a high viscosity silicone gel in cyclopentasiloxane. **Silmer®G-162** has the INCI name of Cyclopentasiloxane (and) Dimethicone/Vinyl Dimethicone Crosspolymer.

### **TYPICAL PROPERTIES**

Colour, Gardner	1
Appearance	Clear to translucent smooth gel
Viscosity (25°C)	300,000 - 800,000 cps
Active Content %	10-20%
Water solubility	Insoluble

### **USES AND APPLICATION**

**Silmer®G-162** is used in formulating many types of personal care products to provide a dry, soft, powdery skin feel. It is used in the following formulations:

#### **Lipsticks**

**Silmer®G-162** provides a smooth, powdery, silky feel and increases pearlescent effects for lipsticks. To avoid pinholes in the lipstick, the usage level of **Silmer®G-162** should be less than 3% and the formulator should use a high concentration of pigments/pearlizing materials.

#### **Lip Gloss**

The benefits of **Silmer®G-162** includes a uniform color and powder dispersion, dry powdery smooth silky feel on lips, and enhances pearlizing effects. Usage ranges from 5-10%.

#### **Foundation and Concealer**

The benefits of **Silmer®G-162** includes a uniform color and powder dispersion, dry powdery smooth silky feel and also improves the water proofing. Usage level is 3-5%.

#### **Eye shadow**

**Silmer®G-162** provides a uniform color and powder dispersion, dry powdery smooth silky feel on skin, and waterproofing. Usage level is 10-20%.

#### **Face Creams and Gels and Body Lotions**

**Silmer®G-162** provides a smooth, powdery silky feel on skin. Usage ranges from 3-5%.

## **SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

## **STORAGE AND SHELF LIFE**

When stored in the original, unopened containers between 10 and 40°C, **Silmer®G-162** has a shelf life of 36 months from date of manufacture.

## **PACKAGING**

**Silmer®G-162** is available in 20kg and 170kg containers.

## **LEGAL DISCLAIMER**

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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