



SM9181G SeraSilk EL 81

INCI: Dimethiconol (and) Isododecane (and)
Dimethicone / Vinyl Dimethicone Crosspolymer

Applications

Skin Care

Sun Care

Color Cosmetics

Hair Care

Benefits

EWG Green grade

High transparent appearance

Light, silky, non-greasy skin feel

Description

KCC Beauty SeraSilk EL 81 is a mixture of a high molecular weight crosslinked silicone elastomer in Dimethiconol and Isododecane. SeraSilk EL 81 can be included in many products to enhance the skin feel, spreadability, absorption of the finished product. SeraSilk EL 81 is made from all ingredients of EWG 1 grade.

KCC Beauty silicone elastomer blends are strong mattifying agents and are ideal for use in color cosmetics applications where their sebum absorbing properties offer a matte, smooth and non-greasy appearance. The non-volatile low viscosity dimethiconol gives excellent spreadability and the isododecane that has fast volatility gives non-tacky, dry and smooth after feeling.

SeraSilk EL 81 has a transparent appearance because of very lower degree of crosslink than general elastomer blends and maintains its clarity upon dilution in low molecular weight silicones.

Typical Properties

Appearance	Transparent paste
Elastomer Contents	16%
Viscosity (cP, 25℃) - Brookfield helipath stand, 2.5rpm, #91	130,000 cP
CTFA / INCI Designation	Dimethiconol (and) Isododecane (and) Dimethicone/Vinyl Dimethicone Crosspolymer

Method of Use

As a versatile ingredient, the method of use will depend on the type of formulation in which the SeraSilk EL 81 is being included and the other ingredients involved.

A few formulation suggestions include :

- Adding the elastomer into the oil or silicone phase of an emulsion.
- Post-addition into viscous creams.

Recommended Usage Level

Usage level is highly dependent on application and is usually between 1 and 90%.

Packaging

16kg pails and 160kg drums

Storage and Shelf Life

The product should be stored below 30°C and not be allowed to freeze. Shelf life of the un-opened container is 24 months from the date of manufacture. If you wish to use this product after this time, please contact us for details.

Toxicity and Handling

Please see our SeraSilk EL 81 safety data sheet for more details. Information for safe use of this product is not included in this document. Before handling please read container labels and the safety data sheet for physical, environmental and health hazard information.

Limited Warranty Information

Although every effort has been made to ensure that the information contained within this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Suggestions of uses should not be taken as inducements to infringe any particular existing patent.

Company Details

KCC Beauty Asia Office:

344, Sapyeeeong-daero, Seocho-gu, Seoul, Korea

Tel: +82 2 3480 5000 **Fax:** +82 2 3480 5887 **e-mail:** represent@kccworld.co.kr