

TECHNICAL DATA SHEET

BeauSil™ GEL 8086 Silicone Crosspolymer as an ingredient for Personal Care

Description

Silicone elastomer gels are an important raw material for modern high-end cosmetic products such as BB creams, lipglosses, pencils, foundations, primers, soft focus and anti-aging face creams for an even matte finish.

Key Features

- Matt effect
- No balling effect when rubbed on skin
- Silky skin feel
- Supports moisturizing

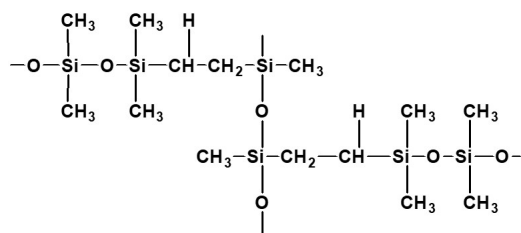
Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Skin Care

Application

BeauSil GEL 8086 is a high molecular weight speciality silicone elastomer carried in Dimethicone. BeauSil GEL 8086 features a non-tacky, ultra-smooth feel.

Structure of a Crosspolymer Gel



Health & Safety

Safety Data Sheet available on request.

Packaging

Drums. Contact our sales department for further information.

Revision Date 16 Jun 2021
Revision No 3
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Property

Product

Appearance
Crosspolymer Content (%)
INCI Name
Ionicity
MIT Free
Ultralow cyclic content
Viscosity

Test Method

Value

Clear Gel
10-15
**Dimethicone (and)
Polysilocone-11**
Non-ionic
Yes
No
Brookfield **400,000 cP**

Addition Rates

Dosage - 1 **0.1 - 10.0% in Sun Care**
Dosage - 2 **0.3 - 15.0% in Color Cosmetic and Skin Care**
Dosage - 3 **10.0 - 80.0% in Primer**

Solubility

Solubility - Almond oil **Insoluble**
Solubility - Cetyl Dimethicone **Insoluble**
Solubility - Dimethicone 350cst **Soluble**
Solubility - Ethanol **Insoluble**
Solubility - Ethylhexylcarbonate **Miscible - Soluble**
Solubility - Glycerine **Insoluble**
Solubility - IPM **Insoluble**
Solubility - Isododecane **Soluble**
Solubility - Paraffin Oil **Insoluble**
Solubility - Polysorbate-20 **Insoluble**
Solubility - Propylenglycol **Insoluble**
Solubility - Water **Insoluble**

Storage

Max Storage Temperature **40 °C / 104 °F**
Min Storage Temperature **4 °C / 39 °F**
Shelf Life **18 mths**

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