

## BeauSil™ GEL 8055 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

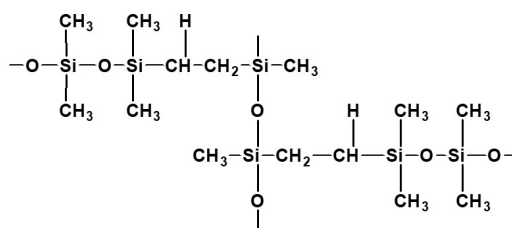
### Key Applications

- Color Cosmetic
- Sun Care
- Primer
- Skin Care

### Application

BeauSil GEL 8055 is a high molecular weight specialty silicone elastomer carried in Dimethicone. BeauSil GEL 8055 features a non-tacky, ultra-smooth feel with haze free clarity.

### Structure of a Crosspolymer Gel



### Health & Safety

Safety Data Sheet available on request.

### Packaging

Drums. Contact our sales department for further information.

Revision Date 12 May 2021  
Revision No 2  
Download Date 29 Nov 2021

Property	Test Method	Value
<b>Product</b>		
Appearance		Clear gel
Crosspolymer Content (%)		Approx. 5
INCI Name		Dimethicone (and) Dimethicone/Vinyldimethicone Crosspolymer
Ionicity		Non-ionic
MIT Free		Yes
Ultralow cyclic content		Yes
Viscosity	Brookfield	Approx. 500,000 cP
<b>Addition Rates</b>		
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
<b>Solubility</b>		
Solubility - Almond oil		Insoluble
Solubility - Cetyl Dimethicone		Miscible
Solubility - Dimethicone 350cst		Soluble
Solubility - Ethanol		Insoluble
Solubility - Ethylhexylcarbonate		Soluble
Solubility - Glycerine		Insoluble
Solubility - IPM		Soluble
Solubility - Isododecane		Soluble
Solubility - Paraffin Oil		Miscible
Solubility - Polysorbate-20		Miscible
Solubility - Propylenglycol		Insoluble
Solubility - Water		Insoluble
<b>Storage</b>		
Max Storage Temperature		40 °C / 104 °F
Min Storage Temperature		4 °C / 39 °F
Shelf Life		18 mths

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