

BELSIL® EG 6000



Elastomer Gels (INCI)

BELSIL® EG 6000 elastomer gel is a silicone copolymer network blended with a volatile dimethicone. It appears as a transparent, colorless gel providing a very pleasant sensation during the application and after use. BELSIL® EG 6000 can act as a thickener in formulations. In addition it exhibits shear thinning behavior, which allows formulating cosmetic products that spread easily during application and facilitates the incorporation of pigments into a formulation.

INCI Dimethicone and Divinyldimethicone/Dimethicone Crosspolymer



Properties

BELSIL® EG 6000 is easy to distribute on skin and gives a very smooth, non-greasy, silky skin feel. BELSIL® EG 6000 leaves a non-tacky film which improves matte effect on skin. BELSIL® EG 6000 has the ability to act as a thickening agent.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance and color	-	clear to slightly translucent gel	-
Density	20 °C	0.88 - 0.92 g/cm ³	ISO 1183-1 A
Elastomer content	-	13 %	-
Flash point	-	89 °C	ISO 2719
INCI name	-	Dimethicone and Divinyldimethicone/Dimethicone Crosspolymer	-
Viscosity, dynamic	25 °C	75000 - 125000 mPa·s	DIN 53018

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Conditioners
- Eye Make-up
- Hair Styling
- Lip Make-up
- Make-up Foundation
- Skin Care
- Sun Care

Application details

BELSIL® EG 6000 is typically added to the oil or silicone phase of a formulation or to an already formed emulsion. The product should be worked in thoroughly to yield optimal results. When BELSIL® EG 6000 is diluted with solvents the viscosity of the product is significantly decreasing and can hence be easily adjusted. The performance properties of BELSIL® EG 6000 make it a very versatile ingredient for various skin care and color cosmetic products. It also can add a cushiony feel to moisturizing creams, eye gels, foundations, concealers and BB creams.

BELSIL® EG 6000 can be used to thicken the oil phase of emulsions or anhydrous cosmetic formulations. In pressed powder cosmetics it acts as binder. Other typical applications of BELSIL® EG 6000 are styling products, conditioners, deodorants and much more.

Processing

BELSIL® EG 6000 is a high viscous material and is highly shear-thinning. Upon storage, the viscosity of BELSIL® EG 6000 may increase. However as the viscosity data vary significantly depending on how the gel is stirred prior the measurement. We recommend to thoroughly mix BELSIL® EG 6000 before any viscosity measurement. If the product is stored for an extended period of time, we also recommend to well stir the product before use.

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code BELSIL® EG 6000



For technical, quality or product safety questions, please contact:

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