BELSIL® EG 3000

Elastomer Gels (INCI)

BELSIL® EG 3000 elastomer gel is a silicone copolymer network blended with Isohexadecane. The product appears as a colorless, translucent gel. As BELSIL® EG 3000 is based on the organic solvent Isohexadecane, the sensorial sensation during the application and after use differs from classical silicone based elastomer gels. The gel is perceived very pleasant, light and powdery.

INCI Isohexadecane, Dimethicone/Vinyl Dimethicone Crosspolymer

Properties

BELSIL® EG 3000 is easy to distribute on skin and gives a smooth, light and powdery feel. BELSIL® EG 3000 provides rheological benefits, imparts a thixotropic effect and has the ability to act as a thickening agent. It also shows a good compatibility with a variety of solvents and is easy to formulate.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	colorless, translucent gel	-
Density	20 °C	0.82 g/cm^3	ISO 1183-1 A
Elastomer Content	-	14 %	-
Flash point	-	103 °C	ISO 3679
Viscosity, dynamic	25 °C	75000 - 125000 mPa·s	DIN 53019

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

- After-Sun
- Anti-Aging Products
- Deodorants
- Eye Make-up
- Face & Body Care
- Hair Care
- Lip Make-up
- Make-up
- Make-up Foundation
- Personal Care
- Skin Care
- Sun Care

Application details

BELSIL® EG 3000 is added typically to the oil or silicone phase of a formulation especially when formulating oil in water (O/W) formulations. In water in oil (W/O) formulations BELSIL® EG 3000 can also be added to an already formed emulsion system. The product should be dispersed well to yield optimum results, but short times of stirring are sufficient.
When BELSIL® EG 3000 is diluted with solvents, the viscosity of the product decreases significantly and hence can be easily adjusted. The performance properties of BELSIL® EG 3000 make it a versatile ingredient for various Skin Care, Color Cosmetic and Hair Care products.
BELSIL® EG 3000 also imparts a cushiony feel to moisturizing creams, sunscreens lotions, eye gels, foundations, concealers and BB creams. BELSIL® EG 3000 can be used to thicken the oil phase of emulsions or anhydrous cosmetic formulations. In pressed powder cosmetics it acts as binder.

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 3000

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

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