

BELSIL® RG 100



Elastomer Gels (INCI)

BELSIL® RG 100 elastomer gel is an organosiloxane polymer dispersed in cyclopentasiloxane. It is a semitransparent gel that functions as a thickener in formulations while delivering smooth applications. Under shear stress BELSIL® RG 100 thins and allows easy incorporation of cosmetic ingredients like pigments.

BELSIL® RG 100 is easy to distribute on skin and gives a nice, non-greasy, silky skin feel. Evaporation of the volatile silicones leave a non-tacky film, which improves the water resistance of formulations.

INCI Cyclopentasiloxane, Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	creamy, semitransparent	-
Density	-	0.96 g/cm ³	-
Elastomer Content	-	~ 20 %	-
Flash point	-	76 °C	ASTM D3278, DIN 55680, ISO 3679
INCI name	-	Cyclopentasiloxane, Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer	-
Viscosity, dynamic	25 °C	100000 - 200000 mPa·s	not specified

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
- Sunscreen

Application details

The viscosity may increase during storage, and agitation may be required before use if stored for an extended period of time.

BELSIL® RG 100 is a non-emulsifying elastomer gel that is supplied as a 20% active solution in cyclopentasiloxane. It provides a substantive hydrophobic film, making it ideal for use in sun care formulations. In lipsticks and foundations, it improves transfer resistance. It also can add a cushiony feel to powder formulations. BELSIL® RG 100 makes cosmetics easier to apply by adding lubricity. It can be used to thicken the oil phase of emulsions or anhydrous cosmetic formulations. The viscosity may increase during storage, and agitation may be required before use if stored for an extended period of time.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis.

Storage beyond the date specified on the Certificate of Analysis 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

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code BELSIL® RG 100



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

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