

BELSIL[®] RG 90



Elastomer Gels (INCI)

BELSIL[®] RG 90 elastomer gel is a crosslinked high-molecular weight organosiloxane polymer dispersed in isododecane. It is delivered as a transparent to semitransparent gel.

INCI Isododecane, Vinyl dimethyl/Trimethylsiloxysilicate Stearyl Dimethicone Crosspolymer

Properties

BELSIL[®] RG 90 is easy to distribute on skin and gives a nice, silky skin feel. The evaporation of isododecane leaves a non-tacky film which improves transfer- and water resistance of cosmetic formulations. Elastomer gel BELSIL[®] RG 90 shows thixotropic behaviour. It undergoes thinning under shear stress and allows easy incorporation of cosmetic ingredients like pigments.

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	transparent to semi transparent gel	-
Density	-	0.82 g/cm ³	-
Elastomer Content	-	~ 20 %	-
INCI name	-	Isododecane (and) Vinyl dimethyl/trimethylsiloxysilicate stearyl dimethicone crosspolymer	-
Viscosity, dynamic	25 °C	25000 - 50000 mPa·s	-

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

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

Application details

BELSIL® RG 90 is a non-emulsifying elastomer gel that is supplied as a 20% active elastomer in isododecane. It can be formulated in O/W, W/O and W/Si-emulsions as well as in anhydrous systems. The preferred way of incorporation into a formulation is to disperse BELSIL® RG 90 in suitable oils and solvents. Alternatively, it can be added to the finished formulation. It provides a silky skin feel combined with hydrophobic film forming properties. These benefits are applicable in skin care, sun care and color cosmetic formulations. BELSIL® RG 90 can improve water repellence of sun screen formulations. In color cosmetic applications like lipsticks and foundations, it improves transfer resistance. It also adds a cushiony feel to powder formulations like eye shadows.

The viscosity may increase during storage, and agitation may be required before use if stored for an extended period of time. Due to the thixotropic behaviour, the initial viscosity may be reduced by mechanical impact like stirring.

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 90



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

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