

TIXOGEL-IDP

Fully activated rheology additive based on a polyethylene wax for oil and solvent phases in personal care applications.

Product data

Composition

Gel of polyethylene wax (INCI: Isododecane, Polyethylene)

Vegan

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Non-volatile matter (24 h, 105 °C): 24.0–27.0 %
 Total viable count: max. 100 cfu/g
 Color: white
 Delivery form: gel

Storage and transportation

TIXOGEL-IDP should be transported and stored dry in unopened original packaging at temperatures between 0 °C and 30 °C.

Applications

Personal care

Special features and benefits

TIXOGEL-IDP is an easy-to-use, fully activated mastergel consisting of isododecane and polyethylene homopolymer. It provides stable, predictable, and reproducible thixotropic flow behavior in a variety of solvent-based cosmetic formulations.

TIXOGEL-IDP is a thixotropic gellant that adds emolliency, imparts water repellency, and improves the wear time of formulations. It is also used to suspend pigments and other non-soluble particulates. Due to the high melting point of polyethylene, the additive can help to increase the temperature stability of formulations.

Recommended use

Creams and lotions	<input checked="" type="checkbox"/>
Antiperspirants/deos	<input checked="" type="checkbox"/>
Sunscreen products	<input checked="" type="checkbox"/>
Eye makeup	<input checked="" type="checkbox"/>

especially recommended recommended

Recommended levels

3–7 % additive (as supplied) based on the total formulation, when used in emulsions.

5–15 % additive (as supplied) based on the total formulation, when used in wax-based systems.

The final amount of TIXOGEL-IDP used depends on the desired thickening and stabilization in the formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

TIXOGEL-IDP can be easily incorporated at almost any stage of the manufacturing process with medium shear. For an optimal dispersion, the additive is mixed and homogenized with a portion of the most compatible organic component or solvent of the formulation before other ingredients are added.

Special note

TIXOGEL-IDP is a fully activated mastergel. It does not require further activation.



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This issue replaces all previous versions.