

TIXOGEL-IDD

Fully activated rheology additive based on organophilic phyllosilicate for oil and solvent phases in personal care applications.

Product data

Composition

Gel of organophilic phyllosilicate (INCI: Isododecane, Quaternium-90 Bentonite, Propylene Carbonate.)

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):	8.5–11.5 %
Viscosity (25 °C, 0.5 rpm):	1,500,000–3,100,000 mPa·s
Color:	green
Delivery form:	gel

Storage and transportation

TIXOGEL-IDD 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-IDD is an easy-to-use, fully activated mastergel consisting of quaternium-90 bentonite dispersed in isododecane. Quaternium-90 bentonite is an organically modified bentonite (organophilic phyllosilicate) of non-animal origin for use in cosmetic products.

The additive provides thixotropic flow behavior, as well as pigment suspension in a variety of cosmetic formulations. TIXOGEL-IDD is indicated for formulations containing aliphatic hydrocarbons or silicones.

Recommended use

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

especially recommended recommended

Recommended levels

3–10 % additive (as supplied) based on the total formulation, when used in emulsions.

5–20 % additive (as supplied) based on the total formulation, when used in wax-based systems.

The final amount of TIXOGEL-IDD 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-IDD 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-IDD is a fully activated mastergel. It does not require further activation.



Your local
contact

BYK-Chemie GmbH

Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

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This issue replaces all previous versions.