

VISCOGEL XDE®

Description

VISCOGEL® XDE is a rheological additive especially designed for the use in lubricating greases. It provides the grease with the desired thixotropic effect, which is needed to work as a lubricant in mechanical equipment: a good flow at high shear and a rapid gel formation once

in a quite state (shear thinning behaviour). The nature of VISCOGEL® XDE is a bentonite based clay, organically modified with a quaternary alkylammonium compound. It doesn't require a polar activator as it is a self-activating organoclay

Tab: CHEMICAL AND PHYSICAL DATA

COMPOSITION	COLOUR	FORM	DENSITY	MOISTURE
Smectite clay with quaternary alkylammonium salt	Pale cream	Free flowing powder	1.7 g/cm ³	3 %

Applications

VISCOGEL® XDE is used in a wide range of grease manufacturing processes based on medium to high paraffinic oil. Using VISCOGEL® XDE organoclay rheological additive in lubricant greases allow the finished product to be a non-melting-high temperature grease with good mechanical stability and a high water tolerance.

VISCOGEL® XDE provides also good "bleed" resistance, so that no oil separate out from the grease.

Incorporation

VISCOGEL® XDE doesn't require a polar activator, it's easy to disperse and can be used with low shear devices..

While heat is not essential in most cases, processing temperatures above 20°C are preferred.

Dosage

Level of addition strongly depends on the type of oil system and on the degree of grease consistency to be obtained, which is generally measured by the penetration test..

Storage Stability And Packing

Product do not deteriorate in a significant way in a 36 months period, there is no exact expiring date for the product. Storage is advisable in a dry, sheltered place in closed bags. Packing is 25 Kg net paper bags on wood pallets of 1000 - 1,400 Kg each.

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