



TUNNEL-GEL[®] MAX

Viscosifier

Description TUNNEL-GEL[®] MAX is a specially formulated, high-yield bentonite designed for use in tunneling and large diameter HDD operations. TUNNEL-GEL MAX promotes rapid viscosity development while maintaining effective borehole stabilization and enhanced filtration control in most water-based drilling fluids.

Applications/Functions *The use of TUNNEL-GEL MAX viscosifier promotes or assists the following:*

- Viscosifies water-based drilling fluids
- Reduces filtration by forming a thin filter cake with low permeability, resulting in borehole stabilization
- Improves hole-cleaning capability of drilling fluids

- Advantages**
- Can provide lubricity
 - Can mix easily and quickly reaches maximum viscosity
 - Can be effectively used in a wide range of concentrations
 - Can be effective in a variety of drilling applications.
 - Provides the option of using a variety of additives

Typical Properties	• Appearance	Tan Powder
	• Specific Density	2400 kg/m ³ ± 10%
	• pH (3% solution)	8.9

Recommended Treatment Using a Venturi hopper, or a colloidal mixer, add TUNNEL-GEL MAX viscosifier, slowly and uniformly to the entire circulating system or mix tank.

Approximate Amounts of TUNNEL-GEL MAX viscosifier Added to Freshwater, kg/m ³	
Normal Drilling Conditions	30-40
Unconsolidated Formations	40-45

Additional Information **Note:** For optimum yield and performance, pre-treat make-up water with 0.5 – 1.0 kg/m³ of soda ash.

Packaging TUNNEL-GEL[®] MAX viscosifier is packaged in 25-kg (55.1-lb) , 1000 kg (2204-lb) bags, and it is also available in bulk.

Availability TUNNEL-GEL MAX viscosifier is a regionally sourced product and may not be available through all Baroid Industrial Drilling Products Retailers. To locate the appropriate Baroid IDP retailer nearest you contact CEBO Holland.

CEBO Holland, BV

Authorized Retailer, Baroid IDP

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