



# TUNNEL-GEL<sup>®</sup> MAX

## Viscosifier

**Description** TUNNEL-GEL<sup>®</sup> 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<sup>3</sup> ± 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 <sup>3</sup>	
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/m<sup>3</sup> of soda ash.

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**Packaging** TUNNEL-GEL<sup>®</sup> MAX viscosifier is packaged in 25-kg (55.1-lb) , 1000 kg (2204-lb) bags, and it is also available in bulk.

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**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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