## **TUNNEL-GEL® 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
	<ul> <li>Reduces filtration by forming a resulting in borehole stabilizatio</li> </ul>	thin filter cake with low permeability, n
	Improves hole-cleaning capabili	ty of drilling fluids
Advantages	Can provide lubricity	
	Can mix easily and quickly reaches maximum viscosity	
	Can be effectively used in a wid	e 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 colloid viscosifier, slowly and uniformly to the 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	<i>Note</i> : For optimum yield and perfor 0.5 – 1.0 kg/m <sup>3</sup> of soda ash.	mance, pre-treat make-up water with

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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.		
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		
	Westerduinweg 4		
	NL-1976 BV Ijmuiden		
	Customer Service: +31 (0)255-546262		