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 resulting in borehole stabilizatio 	thin filter cake with low permeability, n
	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 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 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	<i>Note</i> : For optimum yield and perfor 0.5 – 1.0 kg/m ³ of soda ash.	mance, pre-treat make-up water with

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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.	
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Authorized Retailer, Baroid IDP		
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