

BARO-GEL[™]

Viscosifier

ALLIBURTON Description	BARO-GEL [™] viscosifier, is an easy-to-mix, finely ground (200 mesh), specially selected sodium activated bentonite for the vertical drilling industry. BARO-GEL viscosifier imparts viscosity, fluid loss control, and gelling characteristics to freshwater-based drilling fluids.	
Applications/Functions	 The use of BARO-GEL viscosifier promotes or assists the following: Mix with fresh water to form a low-solids drilling fluid for general drilling applications Viscosify water-based drilling fluids Reduce filtration by forming a thin filter cake with low permeability Improve hole-cleaning capability of drilling fluids 	
Advantages	 Single sack product and cost-effective Can provide lubricity for drilling fluids Can mix easily and quickly reaches maximum viscosity Can yield more than twice as much drilling fluid of the same viscosity as an equal concentration of an API oilfield grade bentonite. 	
Typical Properties	Appearance	Grey to Tan Powder
	Bulk Density	900 kg/m ³ ± 10%
	• pH (3% solution)	8.9
Recommended Treatment	Mix slowly through a high shear, jet mixer or sift slowly into the vortex of a high-speed stirrer or mixer.	
	Approximate Amounts of BARO-GEL viscosifier Added to Freshwater, kg/m ³	
	Normal Drilling Conditions	18 - 30
	Unconsolidated Formations	30 - 42
Additional Information	Note: It is always recommended that the make-up water be properly tested to assess the Total Hardness and pH of the water prior to mixing. This practice will assist the user in gaining optimum yield and performance of the product during use. Target Water Quality: Total Hardness: Less than or equal to 100 mg/l pH Range: Between 8.5 and 9.5 Pre-treat make-up water as needed with Soda Ash based on testing results. Slowly add Soda Ash at a general concentration of 0.5 – 1.0 kg/m ³ through a high-shear mixer/hopper to facilitate uniform distribution throughout the active system.	

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Packaging

BARO-GEL[™] viscosifier is packaged in 25-kg bags

Availability BARO-GEL 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 ljmuiden

The Netherlands

Customer Service: +31 (0)255-46262