

BENADRILL

Application : DRILLING

Introduction:

BENADRILL is a high performance bentonite which is designed as per API Specification 13A to meet oil well drilling, hydraulic-barrier applications (pond-sealing, slurry trenching, caissons, etc.) & civil engineering applications. **BENADRILL** is high swelling & sodium based activated bentonite. **BENADRILL** contains more than 70% active montmorillonite clay content.

Features of BENADRILL

- High Swelling Bentonite
- High Water Absorption
- Fantastic Gelling Strength
- Impermeability
- Excellent Plasticity & Viscosity
- Low Filtrate Loss
- Enlarged Surface Area
- Lubrication % Low Compressibility

Parameters	UOM	BENADRILL - 9	BENADRILL - 11
Viscometer Dial Reading at 600 r/min		30 Min.	30 Min.
Yield Point / Plastic Viscosity Ratio		3 Max.	6 Max.
Filtrate Volume	ml	15 Max.	16 Max.
Residue of diameter greater than 75 um	%	4 Max.	2.5 Max.

Chemical Analysis								
LOI	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O
7.06 %	48.5 %	16.41 %	17.80 %	1.86 %	0.55 %	3.78 %	2.67 %	0.77 %

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Applications / Usages

- Drilling Muds
- Boring & Piling
- Grouting
- Diaphragm Cut off wall
- Pipe jacking
- Fluid Reducing

Advantages

- Low depth of slurry penetration
- Fast development of rheological Properties (Hydration)
- Creation of thin filtrate cake with low Permeability
- Advance lubrication ability
- Can be use under high pressure & high temperature drilling conditions
- High cutting suspension capability

Packing Option

- 25 KG Paper Bags
- 50 KG HDPE Bags
- 1.2 MT Jumbo Bags
- Jungle Wood Pallets
- 25 KG HDPE Bags
- 1 MT Jumbo Bags
- 1.25 MT Jumbo Bags
- Pine Wood Pallets

STORAGE : Bentonite is hygroscopic & absorbs moisture. Store in cool & dry place. Do not leave bags in use open.

SAFETY : Bentonite is Non Toxic & Non Hazardous but take precautions as per MSDS of the product while handling

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