



BENTOPRODRILL-P
API grade

DESCRIPTION

BENTOPRODRILL-P is a high quality API grade drilling bentonite which is specifically processed to develop exceptional rheological properties required for freshwater based drilling systems.

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BENTOPRODRILL-P

high quality API grade drilling bentonite
for freshwater based drilling systems

APPLICATION

BENTOPRODRILL-P is a high quality sodium API grade bentonite that will yield more than 120 barrels of 15cP (apparent viscosity) drilling fluid per ton (19 m³/ton). It is made of bentonite with very high content of montmorillonite and it gives a drilling fluid of exceptional rheological properties. It may be used for all types of freshwater mud systems. It may be well combined with polymers and other mud additives.

BENTOPRODRILL-P performs, at least, following actions:

- Cools and lubricates the drilling bit
- Reduces fluid loss into the formation
- Removes cuttings
- Keeps cuttings in suspension while drilling operation is stopped
- Stabilizes borehole and creates impermeable clay lining on borehole walls
- Provides the application of polymers and other mud additives
- Provides the information about the type of formation being drilled

QUALITY PARAMETERS

			LIMIT VALUE	TYPICAL VALUE	API
1	Viscosity 600 rpm FANN	mPas	≥ 35	35 - 45	≥ 30
2	Fluid loss	ml	≤ 15	13 - 15	≤ 15
3	YP/PV	-	≤ 3	2 - 3	≤ 3
4	Marsh viscosity	s	≥ 70	70 - 80	-
5	Residue on 75µm, wet sieve	%	≤ 2,3	1,5 - 2,3	≤ 4,0
6	Residue on 150µm, dry sieve	%	≤ 1	0,5 - 1,0	-
7	Swelling (2g/100ml)	ml	≥ 30	30 - 34	-
8	Moisture	%	≤ 13	9 - 13	≤ 13
9	Bulk density	t/m ³	-	0,82-0,89	-
10	Yield	bbt/t	≥ 120	120 - 132	-
		m ³ /t	≥ 19	19 - 21	-

*Lab tests have been made in accordance with ISO13500/API Spec.13A/API RB 13B, if applicable.

RECOMMENDED USAGE

Add BENTOPRODRILL-P slowly into prepared fresh water through jet/hopper mixer. Mixes quickly and easily. For best results, acidic and hard make-up water should be pretreated with soda ash to a pH of 8,5 - 9,5. Water quality affects BENTOPRODRILL-P performance.

PACKAGING

- 25 kg (paper bag, arranged on plastic-wrapped pallet 1.000kg)
- 1 ton (big bag)
- In bulk

STORAGE AND SHELF LIFE

Store in closed original packing at ambient temperature and protect from humidity. Shelf life: 1 year.

QUALITY ASSURANCE

BENTOPRODUCT Ltd. operates according to Integrated Management System consisting of ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018. Certified by TÜV.