



TECHNICAL DATA SHEET (TDS)

Drilling Bentonite – OCMA Grade
(Complies with TSE 13500 – Section 11)

Manufacturer / Supplier:
BASEKIM KIMYASAL URUNLER IC VE DIS TIC. LTD. STI.
Ankara, Turkey

Product Description

OCMA Grade Bentonite is a high-quality sodium-based bentonite specially processed for drilling fluid applications in oil, gas, and water well drilling.

This product is designed to provide excellent viscosity, fluid loss control, and suspension properties, ensuring efficient drilling performance and borehole stability.

Applications

- Oil & Gas Drilling Fluids
- Water Well Drilling
- Horizontal Directional Drilling (HDD)
- Foundation & Piling Works
- Geotechnical Drilling Operations

Specifications (OCMA Standard)

Test	Unit	Specification
Moisture	%	Max 12
Viscosity (600 rpm)	cP	Min 30
Yield Point / Plastic Viscosity (YP/PV)	Ratio	Max 6
Filtration Loss	ml	Max 16
Residue (>75 µm)	%	Max 2.5



Chemical Composition Key Features

Component	%
SiO ₂	55.77
Al ₂ O ₃	15.71
Fe ₂ O ₃	6.80
CaO	3.59
Na ₂ O	2.88
MgO	2.83
K ₂ O	1.40
TiO ₂	0.91
SO ₃	0.40
P ₂ O ₅	0.16
LOI (1000°C)	9.31

- High swelling capacity
- Stable rheological performance
- Effective fluid loss control
- Good suspension properties
- Easy mixing and dispersion

Packaging

- 25 kg bags
- Jumbo Bags (1 MT)
- Customized packaging available upon request

Loading Capacity

- 20 FT Container: approx. 25–26 MT
- Palletized or sling bag loading available