



RESINATED LIGNITE(TDS)

Fluid Loss Control Additive for Water-Based Drilling Fluids

PRODUCT INFORMATION

Property	Description
Product Name	Resinated Lignite
Product Type	Resin Modified Lignite
Chemical Family	Modified Lignite
Appearance	Dark Brown Free Flowing Powder
Physical Form	Powder
Recommended Use	Fluid Loss Control Additive
Applicable Systems	Water-Based Drilling Fluids (WBM)
Brand	Basekim
Country of Origin	Türkiye

PRODUCT DESCRIPTION

Resinated Lignite is a premium-quality resin modified lignite designed for efficient fluid loss control in water-based drilling fluids. The product provides excellent thermal stability, minimizes filtration loss, and promotes the formation of a thin, low-permeability filter cake under high-temperature drilling conditions. It is compatible with most freshwater drilling fluid systems and contributes to improved wellbore stability without significantly affecting drilling fluid rheology.

APPLICATIONS

- Water-Based Drilling Fluids (WBM)
- Oil & Gas Drilling
- High Temperature / High Pressure (HTHP) Wells
- Deep Well Drilling
- Geothermal Drilling
- Exploration & Production Operations



KEY BENEFITS

- Excellent HTHP fluid loss control
- High thermal stability
- Produces a thin, tough filter cake
- Reduces differential sticking
- Improves wellbore stability
- Compatible with most drilling fluid additives
- Easy to mix and disperse
- Low impact on drilling fluid viscosity

PRODUCT SPECIFICATIONS

Test Parameter	Test Method	Specification
Appearance	Visual	Dark Brown Free Flowing Powder
Moisture Content	Oven Drying	Max. 15.0%
Water Solubility	Internal Method	Min. 70.0%
Bulk Density	ASTM	0.70 – 0.90 g/cm ³
Specific Gravity	ASTM D854	Approx. 1.60
Particle Size	Sieve Analysis	Min. 95% Passing 100 Mesh

BATCH TEST RESULTS

Parameter	Result
Appearance	Conforms
Moisture Content	11.25%
Water Solubility	73.48%

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Physical State	Powder



Color	Dark Brown
Odor	Mild Characteristic
Specific Gravity	Approx. 1.60
Bulk Density	0.70–0.90 g/cm ³
Solubility	Water Dispersible
Thermal Stability	Up to 160°C+
Recommended pH	9.0 – 10.5

RECOMMENDED TREATMENT

Mud System	Recommended Dosage
Water-Based Mud	2–10 lb/bbl (5.7–28.6 kg/m ³)

Note: The optimum dosage depends on drilling conditions, mud formulation, bottom-hole temperature, and the required filtration control.

PACKAGING

Item	Specification
Packaging Type	Multi-wall Paper Bag with PE Inner Liner
Standard Net Weight	25 kg
Palletizing	Available
Private Label	Available Upon Request

STORAGE

Store in a cool, dry, and well-ventilated warehouse away from direct sunlight, moisture, and strong oxidizing materials. Keep bags tightly sealed after opening to prevent moisture absorption.



SHELF LIFE

24 Months from the date of manufacture when stored in the original unopened packaging under recommended storage conditions.

HEALTH & SAFETY

Avoid breathing dust during handling. Use appropriate personal protective equipment including safety glasses, gloves, and a dust mask when necessary. Refer to the latest Safety Data Sheet (SDS) before use.