

## Bentonite

### Product Description:

Sodium Bentonite Powder 200 mesh (75 micron) conforming to API 13A Section 9.



### Parameters:

Viscometer dial reading at 600 rpm	Above 30
Yield Point / Plastic Velocity Ratio	Below 3
API Fluid Loss	Below 15
Residue of diameter greater than 75 $\mu\text{m}$	Below 4%
Moisture	Below 10%

### Application:

In the formation of drilling mud.

### Advantages:

- Extracts the drill cutting from around the bit.
- Seals the drill hole against water seepage and reduces fluid loss.
- Serves to cool and lubricate the drill bit.
- Improves hole-cleaning capability of drilling fluids.
- Mixes easily and quickly reaches maximum viscosity.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

## Barytes

### Product Description:

Barytes (Barium Sulphate) Powder 200 mesh (75 micron) conforming to API 13A Section 7.



### Parameters:

Specific Gravity	Above 4.20
Water soluble alkaline earth minerals, as calcium	Below 250 mg/ kg
Residue of diameter above 75 $\mu\text{m}$	Below 3%
Particles less than 6 $\mu\text{m}$	Below 30%

### Application:

In the formation of drilling mud as a weighting material.

### Advantage:

- Baryte increases the hydrostatic pressure of the drilling mud allowing it to compensate for high-pressure zones experienced during drilling.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

## Attapulgate

### Product Description:

Attapulgate Powder 200 mesh (75 micron) conforming to API 13A Section 12



### Parameters:

Viscometer dial reading at 600 rpm	Above 30
Residue of diameter above 75 $\mu\text{m}$	Below 8%
Moisture content	Below 16%

### Application:

In the formation of drilling mud for drilling formations contaminated with salt.

### Advantages:

- Less sensitive to salts and temperature.
- Having particles with zones of positive and negative charges allows them to form gel suspensions in salt and fresh water.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

## Haematite

### Product Description:

Haematite Powder 200 mesh (75 micron) conforming to API 13A Section 8



### Parameters:

Specific Gravity	Above 5.05
Water soluble alkaline earth metals, as calcium	Below 100 mg/kg
Residue above 75 $\mu\text{m}$	1.5%
Residue above 45 $\mu\text{m}$	15%
Particles less than 6 $\mu\text{m}$	Below 15%

### Application:

In the formation of drilling mud as a weighting material.

### Advantages:

- Increases the hydrostatic pressure of the drilling mud allowing it to compensate for high-pressure zones experienced during drilling.
- Has three main advantages over Baryte: (1) higher specific gravity; (2) better particle distribution; and (3) a low particle attrition rate.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

# Calcium Carbonate

## Product Description:

Calcium Carbonate of various sizes conforming to API standard



### Parameters:

Specific Gravity	2.68
Hardness	3 Mohs
CaO	Above 53%
Loss on ignition	About 44%
Standard Size:	Fine 45 micron and 75 micron Medium 0.6 to 1.7 mm Coarse 1.18 to 4.75 mm

### Application:

Used to prevent fluid invasion of permeable zones and to prevent loss of circulation during drilling, work over, and completion activities. Calcium carbonate is also used as an acid soluble weighting material for drill-in or work over fluids with a density of 14.0 ppg or less.

### Advantage:

- Easily available material.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

## Product Profile

# Dolomite

## Product Description:

Graded Dolomite



### Parameters:

Specific Gravity	2.84 - 2.86
Hardness	3.5 - 4.0 Mohs
CaCO <sub>3</sub>	50 - 55 %
MgCO <sub>3</sub>	40 - 45 %
Appearance	Chips/Granules
Grades	45 micron / 75 micron 0 - 0.3 mm, 0.3 - 0.7 mm 0.5 - 1.0 mm, 1.0 - 2.0 mm

### Application:

An alternate weighing agent  
Key ingredient to control the density, pH (lime) or viscosity of drilling muds, and even to refine biofuels.

### Advantages:

- Being non toxic, not harmful to health and environment.
- Highly durable material possessing high compression strength.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

# Silica Proppants

## Product Description:

Silica Proppants of various sizes conforming to API RP 19C



### Parameters:

Specific Gravity	2.6 to 2.66
Hardness	7 Mohs
Sphericity	Above 0.6
Roundness	Above 0.6
SiO <sub>2</sub> content	Above 99%
Available sizes	1.18 to 2.36 mm, 0.6 to 1.18 mm, 0.4 to 0.8 mm, 0.3 to 0.6 mm, 0.2 to 0.4 mm

### Application:

To prop open induced hydraulic fracture during or following fracturing thus, allowing for natural gas flow through the perforations and up to ground level.

### Advantages:

- Very durable material and have a unique ability to withstand a high amount of pressure.
- High level of purity.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

# Silica Flour

## Product Description:

Micronised Finely Graded Silica Flour



### Parameters:

Specific Gravity	2.6 to 2.66
Hardness	7 Mohs
SiO <sub>2</sub>	> 98%
Appearance	White/Off white powder
Solubility	Not soluble in water or acid
Grades	100 mesh, 150 mesh 200 mesh, 325 mesh 600 mesh

### Application:

Micronised finely graded Silica Flour acts as an anti-retrogression agent for oil well cementing operations. As a cement extender, it prevents cement sedimentation by increasing low shear viscosity.

### Advantages:

- Prevents strength retrogression.
- Has low permeability and high compressive strength.
- Is compatible with all cements as well as commonly used additives like retarders, fluid loss additives and weighing agents.

### Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

# Fine Silica Sand

## Product Description:

Graded very fine silica sand



## Parameters:

Specific Gravity 2.6 to 2.66

Hardness 7 Mohs

SiO<sub>2</sub> > 98%

Appearance Granular

## Application:

Reacts with calcium hydroxide (CH) and increases the amount of CSH gel, leading to a compact microstructure and improves the mechanical properties.

It has a high pozzolanic activity, which enhances the fire resistance of cement specimens.

## Advantage:

- Helps oilwell cement maintain low permeability and high compressive strength under high-temperature conditions.

## Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

Product Profile

# Pre Mix Concrete

## Product Description:

Pre Mix Concrete



## Parameters:

Tailored to customer requirement.

## Application:

For well cementing.

## Advantages:

- Ready to use.
- Easy to use at work site and no need to mix at site.
- Easy to handle.

## Packing:

1 Ton Jumbo Bag | 50 / 25 kg bag

OIL & GAS

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