

Technical Data Sheet

BARITE

BARITE, which is naturally occurring barium sulphate, is also commonly known as "BARITE ", "heavy spar" and locally "tiff". Its chemical formula is BaSO₄, and pure BARITE contains 65.7% BaO and 34.3% SO₃. Commercial forms of BARITE may run as low as 92% BaSO₄ with impurities consisting of silica, iron oxide, limestone, dolomite, shale, etc. Geologically, BARITE is thought to have its origin as a deposition from hot waters circulated from deep in the earth.

APPLICATION

Due to its high density and low cost, BARITE is the most commonly used weighting agent. BARITE weights mud as heavy 20 lbm/gal (SG = 2.4) still remain pump able. BARITE is also soft and nonabrasive contains few impurities and does not interact with other drilling fluid components.

TYPICAL PROPERTIES

Appearance:	Fine, beige – colored powder
pH:	N/A
Bulk density:	1920 - 2400 kg/m ³
Specific Gravity:	4.2 (min.)
Solubility:	2.3 mg/liter in water

PACKAGING

1.5 MT big bag. It is also available in a variety of bulk .