



Drilling Beads - Coarse Grade Mechanical Lubricant, Spherical Glass Beads

5151 Bannock Unit 5 Denver, CO

Product Data Sheet

Product Description

Stryker Coarse Grade glass beads are designed for all drilling mud applications to reduce friction and torque within deviated holes. The solid glass spheres act as tiny ball bearings to reduce friction and reduce differential pressure. The glass beads are a transparent, solid soda Lime glass, free of pits and excess air bubbles. The glass beads are chemically inert and do not effect the chemical characteristics of the mud system.

Applications/Functions

- Helps provide lubrication in water-based, oil-based, and synthetic-based systems
- Helps reduce torque and drag
- Helps provide lubrication in deviated wellbores
- Helps minimize or prevent differential sticking

Advantages

- Chemical inert
- Insoluble in oil and water
- Stable to temperatures in excess of 500°F (260°C)

Properties

- Appearance: Colorless beads
- Specific gravity: 2.4 to 2.65
- Micron range: 44 to 88
- Hardness, Moh's scale: 5.5
- Free silica: 0

Recommended Treatment

Add 4-8 lb/bbl (11.4-17.1 kg/m³) of lubricant

Note: Lubricant may be removed from the mud system by the solids control equipment. Replenish product to maintain the recommended concentration

