

# TURBO-CHEM<sup>®</sup>

INTERNATIONAL, INC.

The Wellbore Stability Specialists

# Turbo-Poly Beads

Superior Polymerized Spherical Lubricant Beads

## DESCRIPTION

Turbo - Chem's Poly Beads are a completely spherical divinylbenzene copolymer bead uncontaminated with glass or styrene material, designed to act as a mechanical lubricant. Turbo-Poly Beads are temperature stable to 500°F and is compatible with water-base, oil-base and synthetic-base mud systems. Because of its high compressive strength, this product is able to minimize casing wear, reduce torque and drag and lower the risk of differential sticking in depleted, under balanced formations.

## TYPICAL PHYSICAL PROPERTIES:

- Appearance: Semi-Transparent Spheres
- Specific Gravity: 1.06-1.3
- Size: Fine(150 - 355 micron)  
Coarse (355-1000 micron)
- Temp Range: Stable to 500F
- Crush Resistance: 20-25K

## RECOMMENDED TREATMENT:

**Normal** : 2 - 6 lb/bbl initial. Adjust in accordance with the torque and drag limitations of the drilling operation. After the initial treatment, additions need to be made to replace product that is left embedded in the formation or the mud filter cake.

**Logging/Casing**: 8-12 lb/bbl for spotting in an open hole for logging operations and for running casing.

**HANDLING:** Turbo-Poly Beads are available in 50 lb. sacks, 42 sacks/pallet.

## DRILLING FLUID ADDITION COMPATIBILITY:

Poly Beads are compatible in water and oil base muds.

## BENEFITS:

- ✓ Immediate Results.
- ✓ Reduces torque and drag.
- ✓ Reduces casing wear. Non-Abrasive.
- ✓ Breaks capillary attraction.
- ✓ Increases ROP.
- ✓ Effective in highly deviated wells.

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