



Technical Data Sheet

TIGER BULLETS

Product Description

TIGER BULLETS a recently patented composite LCM is made of thermoplastic polymer, wood fibers and other additives for reducing lost circulation in drilling wells.

Applications:

TIGER BULLETS materials are economical, and seal fissures and cracks more rapidly, more efficiently, and at higher temperatures than is typical of most commercially-available lost circulation material. TIGER BULLETS additive is a superior bridging agent, field-proven to be highly effective when drilling high-permeability/high-porosity zones with high differential pressures. TIGER BULLETS additive is designed to bridge and seal permeable formations, reducing the possibility of stuck pipe, controlling lost circulation and providing filtration control.

Treatments:

The recommended treatment is 4 - 8 lb/bbl (11 - 23 kg/m³) to reduce differential sticking tendencies. After initial treatment, periodic treatments should be used to maintain the desired concentration. For seepage losses, normal treatments are from 10 -20 lb/bbl (29- 57 kg/m³). Concentrations in the 20- 35 lb/bbl (57 -100 kg/m³) range are recommended for more severe lost circulation. Pilot testing is recommended before adding high concentrations because the material absorbs a small quantity of liquid when added to the mud system

KEY BENEFITS

- **Effective bridging and sealing agent.**
- **Inert material with minimum effect on mud properties.**
- **Easily mixed and dispersed into the mud system.**
- **Can be used in down hole tools at 35 ppb.**

Key Properties

Color	Tan
Physical Form	Granular
Specific Gravity	1.2 - 1.6
Reactivity	Inert
Solubility in WBM/OBM	Insoluble