



TEAMWORK ISN'T OPTIONAL. IT'S ESSENTIAL.

FILTERTONE-L™

Modified Starch Fluid Loss Control Additive

PRODUCT DESCRIPTION

FILTERTONE-L™ is a chemically modified anionic polysaccharide fluid loss control additive designed for use in water-based drilling fluid systems. The product is manufactured by incorporating carboxymethyl functional groups onto a pre-gelatinized starch backbone, creating a highly effective polymer capable of controlling filtration across a broad range of drilling conditions.

When added to a drilling fluid system, FILTERTONE-L™ rapidly hydrates and disperses to form a thin, resilient, low-permeability filter cake. The modified starch polymer reduces filtrate invasion by plugging formation pore spaces and decreasing filter cake permeability, helping maintain wellbore stability and protect productive formations.

FILTERTONE-L™ provides reliable filtration control in fresh water, low-solids, and saline drilling fluids while maintaining performance in the presence of both monovalent and divalent salts. Its rapid hydration characteristics allow for efficient mixing in cold water systems, while its shear-resistant polymer structure helps maintain performance during extended circulation.

TYPICAL TREATMENT RANGE

1 – 4 lb/bbl

PACKAGING

FILTERTONE-L™ is supplied in 50 lb bags, packaged 50 bags per pallet for convenient storage, transportation, and field handling.

SHELF LIFE

36 months (3 years) when stored in unopened packaging under recommended storage conditions.

KEY BENEFITS

- **Provides effective API fluid loss control** – in water-based drilling fluids.
- **Maintains performance** – in the presence of mono- and divalent salts.
- **Forms a thin, tough, low-permeability filter cake** – for improved wellbore stability.
- **Reduces filtrate invasion** – by sealing formation pore spaces and protecting productive zones.
- **Quickly disperses and hydrates** – in cold water for efficient mixing and ease of use.
- **Provides excellent shear stability** – under circulating conditions.
- **Compatible with a wide range** – of water-based mud systems.

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Chemistry Type	Modified Starch
Appearance	Off-white Powder
Moisture Content	<10%
% Through U.S. 40 Mesh	>95%