



TETRAFlex 110 Polymer

Rheological and Filtrate Control

PRODUCT DATA SHEET

General Description

A prehydrated gel, TETRAFlex 110 polymer is used in the formulation of TETRAFlex FLC Seal crosslinked polymer pills that function as nondamaging fluid loss control/lost circulation control pills.

Features and Benefits

- TETRAFlex 110 is nondamaging to productive zones.
- Pill can be placed through casing, tubing, or coiled tubing.
- TETRAFlex 110 is stable at downhole temperatures up to 240°F for several days.
- TETRAFlex 110 is compatible with KCl, CaCl₂, CaBr₂ and seawater, as well as with a wide variety of surfactants and clay stabilizers.
- TETRAFlex 110 reduces workover costs by minimizing fluid loss and reducing workover time.
- TETRAFlex 110 can maintain viscosity over extended periods.
- TETRAFlex 110 can be cleaned up with mild acid.
- TETRAFlex 110 may be used in situations with up to 5000 psi differential pressure, if pill column is sized appropriately (may require a slight formulation adjustment).

Application Information

TETRAFlex 110 can be used in conjunction with sodium, potassium, and calcium completion brines with densities less than 12.5 lb/gal. TETRAFlex 110 crosslinked pills can effectively control fluid loss in formations with permeabilities up to two darcies and bottomhole temperatures up to 240°F.

Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Material Safety Data Sheet for specific details.

PHYSICAL PROPERTIES	
Appearance	Fluid gelatinous mass
Incompatibilities	Strong oxidizing agents
Flash Point	> 200°F (93°C)
pH	7.5 to 10.0
Specific Gravity	1.3058 - 1.3358
Viscosity	>10,000 cp
Water Solubility	Soluble

PACKAGING INFORMATION
5 gallon pail, 32 pails/pallet (31 pails TETRAFlex 110 and 1 pail TETRAFlex pH Stay)

RECOMMENDED TREATMENT
Generally, pills are sized at three times the fluid volume capacity across the length of the perforated interval formulated at 15.5 gallons/bbl of TETRAFlex 110 and 0.5 gallons/bbl of TETRAFlex pH Stay are recommended for most applications. Recommendations for use are well specific, so your TETRA representative should be consulted. TETRAFlex 110 is compatible and can be used with other lost circulation material.

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