



TETRAFlex 135

POLYMER

Overview

TETRAFlex 135 polymer is a pre-hydrated gel used in the formulation of TETRAFlex FLC Seal cross-linked polymer pills to provide non-damaging fluid loss/lost circulation control.

Features and Benefits

- Non-damaging to productive zones.
- Pill can be placed through casing, tubing, or coiled tubing.
- Stable at downhole temperatures up to 240°F for several days.
- Compatible with CaCl_2 , CaBr_2 , and ZnBr_2 , as well as with a wide variety of surfactants and clay stabilizers.
- Reduces workover costs by minimizing fluid loss and reducing workover time.
- Can maintain viscosity over extended periods.
- TETRAFlex 135 can be cleaned up with mild acid.
- May be used in situations with up to 5000 psi differential pressure if the pill column is sized appropriately (may require a formulation adjustment).

Applicable Information

TETRAFlex 135 can be used in conjunction with sodium, potassium, and calcium completion brines with densities greater than 12.5 lb/gal. TETRAFlex 135 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 Safety Data Sheet for specific details.

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Physical Properties

Appearance	Fluid gelatinous mass
Incompatibilities	Strong oxidizing agents
Flash Point	> 200°F (93°C)
pH	7.5 to 10.0
Specific Gravity	1.6060 to 1.6360
Viscosity	>10,000 cp
Water Solubility	Soluble

Packaging Information

5 gallon pail, 32 pails/pallet (31 pails TETRAFlex 135 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. Formulations using 15.5 gallons/bbl of TETRAFlex 135 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 135 is compatible, and can be used, with other lost circulation material.