CL-30™ Crosslinker

CL-30™ crosslinker is a metal oxide crosslinker used in the K-MAX-Plus™ service, Max-Seal™ service, and Z-MAX™ service. CL-30 crosslinker causes the WG-33™ gelling agent to crosslink by raising the pH of the solution.

Features

CL-30 crosslinker provides the following features:

- It has a unique chemistry that features completely reversible crosslinking.
- It is free of heavy metals such as titanium or zirconium.

Applications

Crosslinked gel pills for the K-MAX-Plus service, Max-Seal service, and Z-MAX service can be used for a variety of applications:

- to control completion-fluid loss after perforating and before gravel packing
- to control completion-fluid loss after gravel packs and frapacks
- to control the completion-fluid loss in horizontal holes during and after drilling-fluid filter-cake cleanup
- to control fluid loss for other completions and workovers

In addition, crosslinked gel pills used in the K-MAX-Plus service and Z-MAX service can be used for the following applications:

- to maintain formation support in unstable zones and prevent sloughing into the wellbore
- to aid in water-control, cementing, and fracturing treatments in zonal isolation
- to help support poorly consolidated formations
- to isolate zones for temporary diverting procedures during stimulation
- to serve as an annulus protection fluid
- to enhance certain water shut-off applications
- to prevent zonal communication
- to serve as a cuttings bridge during milling operations

<table>
<thead>
<tr>
<th>CL-30™ Crosslinker—Product Specifications</th>
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<tbody>
<tr>
<td>Part No. (5- to 10-lb bags in a 50-lb fiber drum)</td>
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<tr>
<td>Form</td>
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<tr>
<td>Bulk Density</td>
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<tr>
<td>30.00 lb/ft³</td>
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<td>Specific Gravity</td>
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**Compatibilities**

When used in K-MAX-Plus™ service or Max-Seal™ service, CL-30™ crosslinker is compatible with the following brines:

- KCl
- NaCl
- NaBr
- CaCl₂
- NH₄Cl
- seawater
- CaCl₂/CaBr₂

When used in the Z-MAX™ service, CL-30 is compatible with NaBr₂. CL-30 crosslinker is incompatible with strong acids.

**Benefits**

CL-30 crosslinker helps provide adjustable crosslinking; the crosslink time can be adjusted slightly by increases or decreases in the crosslinker concentration.