WG-11™ Gelling Agent

WG-11™ agent is a chemically modified, low-residue guar gelling agent used in aqueous fracturing fluids.

Applications

WG-11 gelling agent can be batch-mixed or mixed continuously. It is effective at bottomhole circulating temperatures (BHCTs) up to 200°F (93.3°C).

Required gelling-agent concentrations depend on well conditions and the fluid properties required for the job. The gel’s development of apparent viscosity is directly related to gelling-agent concentration.

Features

Hydration

The hydration rate of WG-11 gelling agent is pH-dependent. Hydration is slow at the agent’s natural pH of 8 to 9. At lower pH levels, the hydration rate increases.

Breakers

WG-11 gelling agent does not contain internal breakers. A breaker must be added to the gel before it is injected into the well. GBW-30 breaker is recommended for low temperatures, and SP™ breaker is recommended for high temperatures.

Benefits

WG-11 gelling agent produces apparent viscosity that is equal to or greater than competitive products. Because WG-11 gelling agent is dispersible, lumping is minimized.

### WG-11™ Gelling Agent—Product Specifications

<table>
<thead>
<tr>
<th>Part No. (50-lb bag)</th>
<th>Specific Gravity</th>
<th>1.300</th>
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</thead>
<tbody>
<tr>
<td>Part No. (1,000-lb bag)</td>
<td>Bulk Density</td>
<td>36 lb/ft³</td>
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<tr>
<td>Part No. (Bulk)</td>
<td>Flash Point</td>
<td>&gt; 200°F (&gt; 93°C)</td>
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<tr>
<td>Form</td>
<td>Solid, off-white to yellow powder</td>
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Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.