SL-PAM-D | Drilling mud additive polyacrylamide

Product Description

SL-PAM-D drilling mud additive polyacrylamide is white or yellow powder, non-toxic, non-corrosive, easily soluble in water, mainly used as a selective flocculant for non-dispersed, low solid phase water-based drilling fluid. It can help to reduce water losses, improve drilling fluid rheological properties and reduce the friction resistance as well.

Technical Indicators

<table>
<thead>
<tr>
<th>Physical and chemical specifications</th>
<th>Drilling fluid performance indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Items</strong></td>
<td><strong>Specifications</strong></td>
</tr>
<tr>
<td>Solid content(%)</td>
<td>≥89</td>
</tr>
<tr>
<td>Purity(%)</td>
<td>≥89</td>
</tr>
<tr>
<td>Fineness(0.99mm sieve margin)</td>
<td>≤10</td>
</tr>
<tr>
<td>Molecular weight(million)</td>
<td>18-25</td>
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<tr>
<td>zDegree Hydrolysis(%)</td>
<td>25-35</td>
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</tbody>
</table>

Application

In oil exploitation, polyacrylamide is mainly used for drilling mud as well as Enhanced Oil Recovery etc., which is widely used in drilling, completion, cementing, fracturing, enhanced oil recovery and other mining operations in the oil field. SL-PAM-D’s products have been used successfully for many years as drilling mud additives for flocculant, dispersants, blocking agent, lubricants, fluid loss additive, and shale inhibition agent etc. With the continues progress, SL-PAM-D devotes to develop the products with optimum performance to meet the increased requirement of water based drilling fluid.

**Flocculant**

The polarity gene adsorbs the solid particles dispersed in water, bridges between the particles and formats the large aggregates, sedimentation and separates of water, floculates detritus and clay in drilling fluid.

**Dispersant**

In the drilling mud treatment, this product can improve the lubricity and stability of the mud to reduce the water loss, prevent sticking effectively, increase drilling efficiency.

**Blocking Agent**

The product can generate cross linking under the effect of Al₂₃⁺, Fe₃⁺, Ca₂⁺ and other ions, a part of high molecular compound is changed from linear shape into body shapes. The product is not water-soluble, and can be adsorbed on the borehole to block ground layer gaps and to prevent the leakage of drilling fluid.

**Lubricant**

The product can be absorbed on the surface of metal or clay particles to form liquid film to change friction on the solid surface into liquid friction, thereby lubricating drill bits and drills, lowering the mud cake friction coefficient, and reducing underground accidents.

http://www.sloilfield.com

QUALITY, VALUE, RESPONSIBILITY

Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.
**Fluid Loss Additive**

The hydrolysis degree is higher, the hydration group on the molecular chain is more, the hydration is better, and it changes from flocculant into fluid loss additive. Drilling mud should be treated to keep cake’s permeability as low as possible in order to maintain a stable borehole and to minimize filtrate invasion, and damage to the pay zone.

**Shale Inhibition Agent**

The multi-point adsorption of polymer formats to the criss-cross membrane macromolecules, plays a role of enhancing the stability of borehole.

**Packing and Storage**

25 Kg paper plastic three-in-one compound woven bags, or according to users’ requirement. Its shelf life is 2 years.

The product is moisture absorbent, thus to protect from damp and moist for conservation. It should be stored in a dry and ventilate storehouse, and not be exposed to air and sunshine.