



POLY ANIONIC CELLULOSE (REGULAR GRADE)

Product Description

Poly Anionic Cellulose Regular Grade (PAC-RG) is a water-soluble polymer derived from cellulose, specifically designed for various applications within the petrochemical industry. This high-performance additive is known for its excellent rheological properties, stability, and versatility in a range of oilfield and industrial processes.

Applications/Functions

- It serves as a rheology modifier. It controls the viscosity and flow properties of the drilling fluid, enhancing its stability and preventing issues such as sagging or settling during drilling operations.
- PAC-RG is used as an additive in cement slurries for oil and gas well cementing. It ensures better pumpability, placement, and long-term stability of the cement sheath in the wellbore.
- PAC-RG is used to stabilize shale formations during drilling. It helps prevent swelling and dispersion of shale cuttings, minimizing wellbore instability issues associated with reactive shales.
- PAC-RG exhibits good salt tolerance, making it suitable for use in environments with elevated salinity levels,

Advantages

- **Environmental Compatibility:** PAC-RG is typically formulated to be environmentally friendly and biodegradable, aligning with modern environmental standards and regulations.
- **Salt and Temperature Tolerance:** PAC-RG exhibits good salt tolerance, making it suitable for use in environments with elevated salinity levels, such as offshore drilling operations.
- **Emulsification and Dispersion:** PAC-RG aids in emulsifying and dispersing components in certain petrochemical processes, helping maintain stability in emulsions and preventing the settling of dispersed particles.

- **Filter Cake Modification:** PAC-RG modifies the filter cake formed on the wellbore wall during drilling and completion operations, improving its properties for better wellbore integrity and reduced formation damage.

Typical Properties:

- **Appearance:** free-flowing, fine, white or light tan powder.
- **Specific gravity:** ranges from 1.2 to 1.5 g/cm³
- **Hygroscopic:** YES
- **Recommended Treatment:** should be stored in a cool, dry place, away from direct sunlight and moisture.
- **Package:** 25 kg or customized

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