



Partially Hydrolysed Polyacrylamide (HIGH TEMPERATURE)

Product Description

Partially Hydrolysed Polyacrylamide (High Temperature) formulated for high-temperature applications in the petrochemical industry is a specialized polymer designed to withstand and perform optimally under elevated temperature conditions. This polymer offers unique properties tailored to the challenges posed by high-temperature environments encountered in various petrochemical processes.

Applications/Functions

- It is used in enhanced oil recovery projects conducted in reservoirs with elevated temperatures.
- In geothermal drilling operations, it aids in maintaining the rheological properties of the drilling mud, reducing friction, and enhancing overall drilling efficiency.
- In Steam-Assisted Gravity Drainage operations, which involve the injection of steam into oil reservoirs to reduce the viscosity of heavy oil.
- It helps prevent the deposition of mineral scales that can impede the efficiency of equipment and processes.
- HTPAM is employed for reservoir conformance control in thermal recovery processes. It helps ensure that injected fluids follow desired paths within the reservoir, optimizing recovery and minimizing bypassing.

Advantages

- **Versatility in High-Temperature Industrial Processes:** Suited for various industrial processes within the petrochemical sector that involve high temperatures.
- **Controlled Release of Chemicals at High Temperatures:** It can be used for controlled release applications in high-temperature environments, allowing for a gradual and sustained impact of chemicals over time.
- **Fluid Viscosity Control:** It assists in controlling fluid viscosity in high-temperature processes, contributing to the stability and efficiency of fluid systems.

Typical Properties:

- **Appearance:** It is often available in the form of a white or off-white powder.
- **Specific gravity:** close to or slightly above 1.0. g/cm³
- **Hygroscopic:** Yes
- **Recommended Treatment:** It is typically dissolved in water to form a solution of the desired concentration for application.
- **Package:** 25 kg sack,50 kg sack or customized

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