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## Poly Anionic Cellulose (Low Viscosity Grade)

### Product Description

Polyanionic Cellulose Low Viscosity Grade (PAC LVG) is a water-soluble cellulose derivative engineered to meet the demands of diverse industrial applications, prominently within the oil and gas sector. Characterized by its lower viscosity, PAC LVG combines water solubility with effective rheological and fluid-loss control properties.

### Applications/Functions

- **Rheology modification:** PAC LVG serves as a rheology modifier, influencing the flow and deformation characteristics of fluids. It helps control viscosity, ensuring proper fluid behaviour for specific applications such as drilling fluids in the oil and gas industry.
- **Thickening Agent:** PAC LVG acts as a thickening agent in various applications. By increasing the viscosity of the fluid, it improves the suspension of solid particles and enhances the overall stability of the system.
- **Dispersion Agent:** As a water-soluble polymer, PAC LVG acts as a dispersion agent, ensuring even distribution of the cellulose derivative in the fluid or system in which it is applied.

### Advantages

- **Effective Drilling fluid control:** PAC LVG acts as a rheology modifier, providing precise control over the viscosity of drilling fluids.
- **Fluid loss prevention :** PAC LVG is highly effective in preventing fluid loss during drilling operations. By forming a barrier against fluid loss into the formation, PAC LVG enhances wellbore stability, reduces formation damage, and contributes to overall drilling success.
- **Filtration Control:** PAC LVG contributes to improved filtration control in drilling fluids. Minimizing the invasion of formation fluids into the wellbore helps maintain wellbore stability, preventing issues such as well collapse and preserving the integrity of the formation.

- **Proven Track Record:** PAC LVG has a proven track record in the oil, gas, and petrochemical industries. Its successful applications in various drilling operations contribute to its reputation as a reliable and effective additive.

### **Typical Properties:**

- **Appearance:** White to off-white, odourless, and free flowing powder .
- **Solubility:** Highly Water soluble
- **Hygroscopic:** NO
- **Recommended Treatment:** Hydration
- **Package:** Bags or drums