

Polyanionic Cellulose; PAC

Polyanionic Cellulose (PAC) is a water-soluble polymer used in drilling fluids for the oil and gas industry. It is a type of cellulose polymer modified with anionic groups, which make it highly effective in controlling the viscosity and fluid loss in drilling fluids or muds used in oil and gas drilling operations. The PAC we offer can be divided into high viscosity (HV) and low viscosity (LV) grades to meet the needs of different customers.

Specification

Appearance	White to cream powder
Starch or starch derivates presence	Absent
Moisture, %	Max. 10

PAC LV Grade

Grade	Apparent viscosity, cP	Filtrate volume, ml	Purity, %	Dispersion
GA8509	Max. 40	Max. 16	-	-
GA8510	Max. 40	Max. 16	Min. 92	-
GA8530	Max. 40	Max. 16	Min. 95	No Lump

PAC HV Grade

Grade	Apparent viscosity, cP	Filtrate volume, ml	Purity, %	Dispersion
GA8525	Min. 50	Max. 23	Min. 92	-
GA8522	Min. 50	Max. 23	Min. 95	No Lump

Packaging & Storage

Standard Packing	50 lb bag, 40 bags per pallet
Storage	25 kg bag, 40 bags per pallet
Handling	Each unit is labeled with product name and lot number. Store in a cool, dry area for optimal shelf life. For safe handling of this product, please refer to the Safety Data Sheet (SDS).

Shelf Life

Shelf Life 2 years

Usage & Application

Typical Dosage Applications 0.1 to 2%

- Control Viscosity: helps maintain the desired viscosity of drilling fluids, ensuring they can effectively carry cuttings to the surface and provide stability to the borehole.
- Reduce Fluid Loss: forms a thin, impermeable filter cake on the wellbore wall, reducing the loss of drilling fluid into the formation.
- Improve Wellbore Stability: contributes to wellbore stability by preventing excessive fluid loss and minimizing formation damage.
- Suspension and Dispersing Agent: ensures the suspension and uniform distribution of solid particles in drilling fluids, preventing settling and blockages.
- Enhance Hole Cleaning: assists in suspending and transporting drilled cuttings to the surface.

Regulatory Information

CAS No.	9004-32-4
HS Code	3912.31
Country of Origin	Made in China

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Disclaimer: The information provided in this document is based on tests that we believe to be reliable. However, the results of these tests may vary under different conditions and methodologies. It is the responsibility of the prospective user to determine the suitability of our products for their specific use. The user is responsible for ensuring that their use of our products, as well as their workplace practices, are in compliance with all applicable laws and regulations.

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