

Technical Data Sheet

# Polysec® PAC HV and LV

## Dry Polyanionic Cellulose

**Description** Polysec PAC's are high quality dispersible polyanionic cellulose that is available in both a high or medium viscosity grade. Polysec® PAC's are used for inhibition, water loss control, and viscosity in water-based muds.

Polysec PAC's are formulated to prevent fisheyes or lumping under poor mixing conditions.

**Principle Use** Designed for use as a drilling fluid polymer to increase borehole stability, control rheology, fluid loss and for inhibition.

**Typical Properties**

Appearance: Off-White hygroscopic powder  
Degree of Substitution: 0.9 min  
Moisture as Shipped: 9 max  
pH of 1.0% solution @ 25° C: 6.0-8.5  
% Retained on 0.5mm/35 mesh: 3 max  
Active Content (% dry basis): 97 min  
Sodium Chloride (% dry basis): 1 max

**Advantages**

- Good thermal stability.
- Controls filtration rate and assists in forming thinner, less permeable cake.
- Improves viscosity for effective removal of drill cuttings.
- Encapsulates solids for a total lower solids system.
- Stabilizes drilled formations.

**Mixing & Applications**

Fluid Loss Control  
Add 0.20-3.0 lbs/bbl to water-based system.

Inhibition and Encapsulation  
Add 0.75-3.0 lbs/bbl to water-based system.

**Packaging** 50 lb bags, 40 bags per pallet. All pallets are plastic-wrapped.

**Health & Safety** Polysec PAC exhibits a low order of toxicity. However, precautions should be taken to avoid inhalation, ingestion, or contact with skin or eyes. For additional information, see the appropriate MSDS.

**Disclaimer:** The information and data contained herein are believed to be accurate and reliable. ACC makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information