

# PAC LV

## Filtration Control Agent

### Product Description

PAC LV polyanionic cellulose is a low-viscosity, tech-grade fluid-loss-control polymer. It is designed for situations where filtration control is needed with only minimal increases in rheology. PAC LV polymer will perform well in all brine applications, especially saltwater-base fluids. PAC LV polymer may be used at all densities in either dispersed or non-dispersed systems. PAC LV polymer will encapsulate solids to control dispersion of active shale

### Typical Physical Properties

Physical appearance	Cream-colored, free flowing powder
Specific gravity	1.5 to 1.8
pH (1% solution)	6.5 to 8.0

### Application

PAC LV polymer controls fluid loss in freshwater, seawater, KCl and salt water. PAC LV additive aids in the formation of a tough, thin filter cake to minimize the potential for differential sticking. PAC LV polymer will be useful in areas where the generation of viscosity build-up should be avoided, but filtration control is required.

PAC LV polymer will create an envelope around exposed shales and cuttings for encapsulation that reduces dispersion and improves wellbore integrity. Encapsulation protects the shale from exposure to water that tends to destabilize the shale.

### Advantages

- Effective in controlling filtration with minimal increase in rheology
- Functions at all pH range
- Environmentally acceptable
- Resists bacterial attack, requiring no biocides or preservatives
- Performs in a wide variety of waters

### Limitations

- Contains salt as a by-product during processing
- High hardness (>1000 mg/L) and high alkalinity will require treatment to neutralize before using
- Temperature limit of 250°F (120°C); when approaching this limit use PAL PTS thermal stabilizer

### Recommended Treatment

Recommended treatment for PAC LV polymer is from 0.5 to 3.0 lb/bbl (1.5 to 9.0 kg/m<sup>3</sup>) depending on the water type and the salt level to control fluid loss.

### Packaging and Storage

PAC LV polymer is packaged in 25-kg (55.1-lb), multi-wall, paper sacks. Store in a dry location away from sources of heat or ignition, and minimize dust

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.