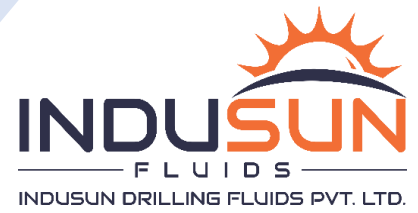


# POLY ANIONIC CELLULOSE - PAC

## REGULAR GRADE (RG)

INFL 1000 – PRODUCT DATA SHEET



### Description

PAC (RG) is a uniquely modified cellulose polymer, engineered specifically to maintain a low and stable fluid loss while providing secondary inhibition of reactive shale and higher viscosity profile. The chemical provides superior wellbore stability, better cuttings integrity, improved solids control and lower drilling costs, and fits for all water-base mud systems.

### Application

PAC (RG) is used in controlling fluid loss and increasing viscosity. The product improves the quality of the filter cake in water based drilling systems. Designed for fast penetration, PAC (RG) is a high performance chemical which is ideal in low solid mud.

### Advantages

- Effective in small concentration for filtration control
- High yield viscosifier
- Resistant to contaminants and effective over a wide pH range
- Excellent thermal stability up to 150°C / 300°F
- Not susceptible to bacterial degradation
- Improves well cake characteristics and reduces stuck – pipe issues
- Effective in fresh water, salt water and brine based drilling fluids

### Specifications

S.No.	Parameter	Specification
1	Physical State	Free flowing powder, free from visible impurities
2	Moisture content at 105±2°C, percent by mass	10.0 (Maximum)
3	Apparent Viscosity (24±2°C) (cP) of 1.0% (w/v) suspension of sample in distilled water, cP	60 (Minimum)
4	Apparent Viscosity (24±2°C) (cP) of 1.0% (w/v) suspension of sample in 4% (w/v) NaCl (LR Grade) solution in distilled water	50 (Minimum)
5	Yield of 15 cP suspension, prepared in distilled water, m3/ MT	250 (Minimum)
6	Yield of 15 cP suspension prepared in 4% (w/v) NaCl solution in distilled water, m3 /MT	200 (Minimum)
7	Sodium Carboxy Methyl Cellulose Content on dry basis, percent by mass	85.0 (Minimum)
8	Degree of Substitution	1.0 (Minimum)
9	Filtration Loss of treated (0.5% (w/v) sample) fresh water base mud, ml	Not more than 40% of the value obtained for the fresh water base mud
10	Filtration Loss of treated (0.5% (w/v) sample) salt water base mud, ml	Not more than 20% of the value obtained for salt water base mud
11	Borate Sensitivity test	No stiff gel formation

### Packaging

25 Kgs pre ply kraft paper bag. Customized packaging is available on request.

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