

PRODUCT DATA SHEET

FA367 Encapsulating Agent for Drilling Fluid**Product Description**

This product is a white or light yellow high-molecular-weight, water-soluble polymer. The polymer contains both cationic and anionic hydrophilic groups, which provide excellent resistance to temperature, calcium, magnesium, and salts, while effectively inhibiting shale hydration. It serves as an effective encapsulating agent for drilling fluids.

Characteristics

- Can be directly added to various water-based drilling fluid systems as an encapsulating inhibitor.
- Shows good compatibility with a wide range of drilling fluid additives.
- Recommended dosage: 0.2–0.5%.

Technical Specification

Item		Indicator
Appearance		White to light gray granules or powder
Moisture, %		≤9.0
Sieve Residue (0.90 mm sieve), %		≤10.0
Apparent Viscosity (1% aqueous solution), mPa·s		≥30.0
pH Value (1% aqueous solution)		7.5~9.0
Specific Viscosity, 100 mL/g		≤6.0
Fresh Water Slurry Drilling Fluid Performance	Apparent Viscosity, mPa·s	≥25.0
	Plastic Viscosity, mPa·s	≥8.0
	Filtrate Loss Reduction Rate, %	≥55.0
Salt-Saturated Slurry Drilling Fluid Performance	Apparent Viscosity, mPa·s	≥15.0
	Plastic Viscosity, mPa·s	≥10.0
	Filtrate Loss Reduction Rate, %	≥85.0
Bentonite Dispersion Inhibition Performance	Apparent Viscosity Increase Rate, %	≤200

Packing and Storage

- Packed in three-in-one composite bags lined with polyethylene film, 25 kg per bag.
- Store in a cool, dry, and well-ventilated area.
- The product is environmentally friendly, non-toxic, and non-corrosive. In case of contact, rinse with water.
- Shelf life: two years.

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