

Modified Starch[®]

Product Description

An environmentally friendly loss-reduction agent for high-performance water-based drilling fluids, suitable for use in most water-based drilling fluid systems. It offers excellent temperature resistance, salt tolerance, and resistance to contamination. It does not increase viscosity on its own but acts to coat cuttings and inhibit the dispersion and swelling of active shale. To prevent fermentation caused by bacterial degradation, it is typically used in conjunction with a biocide.

Applications/Features

- Excellent loss-reduction performance
- Temperature resistance up to 120°C–140°C
- Good resistance to salt and calcium
- Effectively improves mud cake quality
- Reduces formation damage
- Good biodegradability; environmentally friendly

Technical Indicators

Item	Specifications
Product Name	Modified Starch
Appearance	White powder
Temperature Resistance	120°C~140°C
Moisture Content	≤10%
pH (1% solution)	6.0~9.0
Water Solubility	Easily soluble in water
Recommended: Increase the amount	6–18 kg/m ³

