

Xanthan Gum[®]

Product Description

Xanthan gum is a dispersed, opaque, high-molecular-weight biopolymer product that can be used in most water-based systems. It exhibits excellent thickening, suspending, and shear-thinning properties, and can significantly increase the viscosity and cuttings-carrying capacity of drilling fluids even at low dosages. Additionally, this product exhibits good resistance to salt, calcium, and temperature, maintaining stable rheological properties in freshwater, seawater, and high-mineralization drilling fluid systems.

Applications/Features

- Excellent viscosity-enhancing properties
- Improves the drilling fluid's cuttings-carrying capacity
- Good suspension properties
- Excellent shear-thinning properties
- Good resistance to salt and calcium
- Low dosage, cost-effective

Technical Indicators

Item	Specifications
Appearance	Light yellow to white powder
Product Type	Drilling fluid thickener
Moisture Content	≤10%
pH (1% solution)	6.0~8.0
Temperature Resistance	120℃
Recommended Dosage	0.5–6kg/m ³

