

Sulfonated Asphalt Powder[®]

Product Description

This product is manufactured from high-quality natural asphalt that has been sulfonated and modified, and it offers excellent water dispersibility and high-temperature resistance. When added to drilling fluid, it forms a dense, low-permeability filter cake on the wellbore wall, reducing the intrusion of filtrate into the formation and lowering the risk of shale hydration and swelling. At the same time, it improves the lubricating properties of the drilling fluid, reduces drill string torque and frictional resistance, and enhances drilling efficiency.

Applications/Features

- Excellent high-temperature drop and filtrate loss performance
- Good lubrication and drag-reduction effects
- Improves mud cake quality and reduces filtrate intrusion
- Excellent resistance to high temperatures, salt, and calcium

Technical Indicators

Item	Specification
Product Name	Sulfonated Asphalt Powder
Appearance	Black or dark brown powder
Product Type	Water-based drilling fluid additive
Temperature Resistance	120°C–180°C
Moisture Content	≤10%
Water Solubility	Easily dispersible in water
Recommended Dosage	8–20 kg/m ³

