

## PRODUCTS TECHNICAL DATA

### 1. PRODUCT NAME : high-temperature fluid-loss control agent, **ME-HDD**

#### COMPOSITION / INFORMATION ON INGREDIENTS AND APPLICATIONS

**ME-HDD** is a Hydroxyl copolymer powder, for high density & high temperature resistant WBM drilling fluids fluid loss and shale control .

Through zwitterionic exchange and hydroxyl action of adsorption on the surface and end face of clay respectively to achieve strong inhibition on the formation, avoid the phenomenon of water and clay stratification, and connect the broken small pieces, so that the well wall shale is not easy to peel off, the drilling cuttings are not easy to hydrate and expand, reduce the filtration of calcium and magnesium bearing blocks, clean the wellbore and other functions. In the saturated salt water drilling fluid, the fluid loss reduction effect is remarkable, the temperature resistance ability is 180 °C , and the high temperature stability is good. Compared with other similar products, it does not increase viscosity, but also resistant for Saturated brine .

By the application, in saturated salt water adding

amount of 1.5% of **ME-HDD**, at normal temperature

fluid loss is decreased from 99 ml to 7 ml; After aging at 150°C for 16h, the filtration loss is decreased from 109mL to less than 10mL.

Recommended dosage and usage: add directly to mud for 1.5%.

Appearance : free flowing gray powder

Moisture % ≤ 10.0                      PH : 7.0-9.0



