

PHPA:

WELLDONE PHPA is widely used in oil drilling fluids and piling fluids, it features with high molecular weight and hydrolysis degree, high resistance to high working temperature and mineralization degree, WELLDONE PHPA is the best additive as lubricant, friction reducer, shale inhibitor and fluid loss agent. WELLDONE PHPA is an environmental friendly chemical which has the advantages of :

1.Less adoption: 0.1% solution. 1g polymer dissolve in 1 L tap water, Marsh viscosity is from 60s to 120s (API standard);

2.High resistance to high mineralization and temperature:

Mineralization degree Working temperature

Normal grade of PHPA  $\leq 40,000$  ppm  $\leq 95^{\circ}\text{C}$

Special grade of PHPA  $\geq 50,000$  ppm  $\leq 140^{\circ}\text{C}$

3.Controllable viscosity based on different working conditions: Marsh viscosity from 60s to 120s (API standard)

4.Can produce according to customer's testing standard.