

PRODUCTS TECHNICAL DATA

PRODUCT NAME : Copolymer oil displacement agent, **ME-AMPS**

Copolymer oil displacement agent , vinyl monomer AMPS polymers are AMPS modification of PAM, improves temperature resistance, salt resistance, hydrophilicity and viscosity. Water-soluble anionic additives designed for high-salinity and high-temperature water-mud applications. (Alkyl-substituted acrylamide can be used instead of ordinary acrylamide, which lessens its vulnerability to hydrolysis at high temperature and high pH.)

ME-AMPS. 2-acrylamido-2-methylpropane sulfonic acid improves the hydrophilism of PAM , which are at least water dispersible have been found to be outstanding fluid loss control additives, not only for fresh water muds, but also for muds having high soluble calcium and chloride concentrations, especially under conditions of high temperature and pressure.

By means of adding a certain amount of AMPS+PAM co-polymer into the injected water and increase its viscosity to improve the oil-water mobility ratio.

The oil layer catches and absorbs the polymer molecules which lowers the permeability of high and medium filter layer or swept layer, increase the seepage resistance of injected water, increase the water absorption of low filter layer and low swept layer, enlarge the contact scale between injected water and oil surface and the vertical water thickness on oil layer, therefore, enlarge the water volume to displace the remained oil in water displacing and enhance the oil recovery ratio.

Comparable brand: Haliburton THURO-DISPLACEMENT.

Appearance: white flowing powder.

Recommended dosage: 2-4%