

Product Description - Oil drilling grade CMC HV

Description:

CMC HV is an anionic water-soluble cellulose ether that is widely used in the oil field, especially in the exploitation and operation of high-viscosity oil fields. CMC HV's unique physical and chemical properties make it a key component of oil field chemicals such as drilling fluids, fracturing fluids, and oil displacement agents. For CMC HV, it is pretty popular for the inland oil drilling wells and high viscosity fracturing drilling fluids.



Main functions:

CMC HV could increase the fracturing fluid viscosity, carry proppant into the cracks, and improve the fluids conductivity. And it keeps long still effective under high temperature (usually $\leq 130^{\circ}\text{C}$) and high salt conditions.

Physical and chemical indexes (analytical methods are available, according to API 13A) :

CMC Parameters

Type	CMC HV
Appearance	White or yellowish powder
Starch or starch <u>derivates</u> presence	No
Solution properties:	
<u>Viscometer dial reading at 600 r/min</u>	
— in <u>deionized water</u>	minimum 30
— in 40 g/l salt solution	minimum 30
— in saturated salt water	minimum 30
Filtrate volume, <u>millilitres</u>	maximum 10,0