

Product Description -Drilling granule CMC

Description:

Drilling granule CMC is a modified cellulose derivative prepared by a special granulation process. It is in the form of regular spherical particles (particle size 0.3-1.2mm) and has a bulk density of 0.6-0.8g/cm³. Its 2% aqueous solution has an apparent viscosity range of 10-6000mPa · s. Drilling granule CMC has the advantages of rapid solubility, anti-caking and impact resistance, and is particularly suitable for special operating environments such as offshore drilling platforms and desert drilling rigs.



Main functions:

Drilling granule CMC has excellent compatibility with formate brine to form a low-damage completion fluid with a filtration loss of ≤3ml (API standard). It forms a high-strength gel with a cross-linking agent to block the high-permeability layer and increase the injection pressure by 3-5 MPa in the drilling process.

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

CMC Parameters

Type	Drilling granule CMC			
	CMC LV	CMC HV	PAC LV	PAC HV
Appearance	White or yellowish powder			
Starch or starch <u>derivates</u> presence	Absent			
Moisture content	Max 10%			
D.S	0.8min	0.8min	0.9min	0.9min
<u>Viscometer</u> dial reading at 600 r/min	90 max	30 min	---	
Apparent viscosity	---		40cps max	50cps min
Filtrate volume	10ml	10ml	16ml	23ml

