GENERAL INFORMATION

PHPA HMW — partially hydrolysed polyacrylamide with high molecular weight is intended to inhibit clays and shales by the encapsulation of the clay particles. Moreover, reagent may be used as fluid viscosifier, flocculant, filter reducer and as lubricant. This product may be used in various types of water

based muds including clayless and thin clay drilling mud, weighted muds and muds based on sea water.

TYPICAL PROPERTIES

Chemical formula	[C3H5NO]n-[C3H4O2]m
Appearance	cream-colored free-flowing powder
Odour	Light odour of hydrocarbons
Density	1070–1100 kg/m3
pH 1% of liquid	8–9
Flash point	>93,3°C

PRODUCT APPLICATION

Encapsulation properties of PHPA HMW are exclusive which providing high stability of wellbore normal

concentration in the mud varies from 2 to 8 kg/m3. Product is effective in potassium chloride and salt saturated muds (though the concentration should be raised slightly)

PHPA HMW is often used in clayless muds as a viscosifier and shale inhibitor (encapsulator), especially while drilling wells with small diameter and while core sampling. Usually concentration of product in such muds varies from 1,5 to 5 kg/m3.

When used in weighted muds PHPA HMW helps to improve quality of filter cake and reduce fluid loss.

While drilling wells with major diameter PHPA HMW is often used to make viscous plugs to carry out large parts of cuttings.

PACKAGING

PHPA HMW is supplied in multiwall paper bags of 22 7 or 25 kg.

SMARTEXDF Supplying Quality

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