BICHAIN SHANGHAI BICHAIN INDUSTRIAL CHEMICAL CO., LTD. 上海拜诚工业化学有限公司

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Product name : PHPA Polyacrylamide Polymer for Drilling Mud Fluids

Item : Oilfield PHPA Drilling

Type : Drilling Viscosifiers

CAS : 9003-05-8; 25085-02-3

QC : BIC

Application : Drilling Mud Additives, Drilling Fluids Additives,

Similar to : SNF Flopam, Poly Plus, EZ Mud, Superfloc

E-mail : sales@bichain.com

Packages : 20kg, 50kg, 50lb

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Details:

PHPA (also **partially hydrolyzed polyacrylamide** or **HPAM**) is designed for easy mixing in drilling mud systems and to improve its dispersion to eliminate "fish eyes". This occurs in field work when mixing either large quantities rapidly or mixing high polymer concentrations without good mixing equipment. In drilling fluids, **PHPA** is an anionic polyacrylamide and it can act as a viscosifier, flocculants, friction reducer and fluid-loss control agent. **PHPA polymer** also makes cuttings encapsulation and wellbore stability improvement, this will be helpful for slim hole and continuous-coring applications in **PHPA drilling fluid system**. As one of reliable **polyacrylamide suppliers** in China, Bichain provide high-quality HPAM like other **polyacrylamide manufacturers'** products, eg **SNF Flopam, Poly Plus, EZ Mud, Superfloc** etc.

PHPA Function:

- ►Readily dispersible and avoid 'fish eyes' in drilling fluids
- ►Excellent cuttings encapsulation so as to limit cuttings dispersion in drilling mud
- ►Improved shale stabilization
- ►Enhances drill solids control
- ►Viscosify clear-water and low-solids drilling fluids

Advantages:

- ►Non-fermenting and Does not require biocides
- ►Stable in monovalent salt (NaCl, KCl, etc.) environments
- ►Effective in small concentrations
- ►Can be destroyed with oxidizing agents when desired

Technical Data:

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Product Type	PHPA-1	PHPA-2	PHPA-3	PHPA-4
Molecular Weight x10⁶	18-20	15-17	10-14	6-9
Solids Consent (%)	89	89	89	89
Effective pH Range	7-14	7-14	7-14	7-14
Hydrolysis (%)	25-30	25-30	15-20	15-20
Residual Monomer (%)	0.1	0.1	0.1	0.1
Insoluble w/w (%)	0.5 max	0.5 max	0.5 max	0.5 max
Dissolved Time (h)	1.5 max	1.5 max	1.5 max	1.5 max
Form	White Powder	White Powder	White Powder	White Powder

Note: PHPA granular: 20-80 mesh. Dissolved time of 0.05%-0.1% concentration in water at room temperature is about 1.5h.

Package and Storage:

25kg, 50kg bags with double layered of woven plastic and plastic layer or according to customer's requirement.

Avoid high-intensity extreme pressure and prolonged exposure to strong sunlight. Keep bag closed. Keep away from heat, sparks and flames.

Related Products :


Oilfield HPG Guar
HPG Hydroxypropyl Guar Gum Powder Suppliers


Oilfield CMHPG Guar
CMHPG Carboxymethyl Hydroxypropyl Guar Gum Suppliers


Oilfield XC Polymer
Oil Drilling Xanthan Gum Suppliers


Oilfield Welan Gum
Welan Gum Suppliers


Oilfield XCD Polymer
Dispersible Oil Drilling Xanthan Gum Suppliers


Oilfield HT XC Polymer
Heat Resistant Stable Oil Drilling Xanthan Gum Suppliers


Oilfield HEC
Hydroxyethylcellulose HEC Hydroxyethyl Cellulose Suppliers


Oilfield KPAM
Potassium Polyacrylamide KPAM Suppliers

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