

PHPA

PHPA is a specially treated high molecular weight Partially Hydrolyzed Polyacrylamide polymer for all water-base drilling fluids. It functions as viscosifying agent, shale and bore-hole stabilizer, encapsulator, bentonite extender, flocculation agent and assist with fluid loss control.

Typical Physical Properties

Appearance	White granular powder
Ionic nature	Anionic
Solid content, %	88.0 min
Insoluble content, %	0.20 max
Residue monomer, %	0.15 max
Hydrolysis, %	23 - 30
Molecular weight *	2 million - 35 million
* Various range of molecular weight available upon customer's requirement.	

Application

PHPA is applicable in freshwater, seawater, saturated saltwater mud, KCl and solids free brine systems. It provides cuttings encapsulation, shale filming/inhibition, flocculation of drilled solids, viscosity and lubricity.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

Packed in 25 kgs or 5 0lbs paper sacks.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

