

RAPID POLY VIS™

ANIONIC POLYMERIC EMULSION VISCOSIFIER

Description:

Rapid Poly Vis™ is a very high molecular weight, medium charge, polyacrylamide (PHPA) supplied as a low viscosity emulsion. Its primary application is for viscosifying drilling fluids. The product is a versatile polymer that can be used in water based (Fresh, KCl or Seawater) drilling muds. It is formulated to mix easily in drilling muds and yield results quickly. The high molecular weight of the Rapid Poly Vis™ provides a cost efficient viscosifier for low-salinity clear-water drilling operations. The Rapid Poly Vis™ is shear thinning and assures maximum power at the bit under high shear while retaining excellent carrying capacity under low shear conditions. When used in foam drilling the long chain polymeric structure aids foam control, creating a tighter, stronger foam, enhancing cuttings removal and reducing water requirements. Rapid Poly Vis™ is compatible with all common foamers used in drilling.

ADVANTAGES:

- ⇒ Efficient viscosifier
- ⇒ Friction reducer / lubricant
- ⇒ Reduces fluid loss
- ⇒ Easy to handle liquid
- ⇒ Shale inhibition

APPLICATION:

Rapid Poly Vis™ is supplied as a liquid and is easy to use. The recommended dosage is 0.25 ppb to 2 ppb of water based mud volume, as supplied.

The addition of Rapid Poly Vis™ into a drilling fluid will help reduce turbulent flow, friction and power losses at points of high shear. Lowering turbulent flow also helps to reduce erosion and washout of sensitive geological structures.

The flocculation and removal of drill solids can be economically achieved by adding a small dose of Rapid Poly Vis™ into the flow line ahead of the mud pit or at a point just prior to the mechanical separation equipment, e.g. centrifuge, shale shaker, etc.

PHYSICAL PROPERTIES:

Appearance	Opaque Liquid
Density	8.83 to 9.00 lbs / gal
Specific Gravity	1.02 to 1.06
pH(neat)	6.5 to 7.5
Charge in solution	Anionic
Flash Point, TCC	> 200° F (>93°C)
Pour Point	5° F (-15° C)
Shelf Life	6 months