

## RAPID POLY VIS RD™

READILY DISPERSIBLE ANIONIC POLYMERIC VISCOSIFIER

### Description:

Rapid Poly Vis RD™ is a very high molecular weight, medium charge, polyacrylamide (PHPA) supplied as a dry granular powder. 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 RD™ provides a cost efficient viscosifier for low-salinity clear-water drilling operations. The Rapid Poly Vis RD™ 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 RD™ is compatible with all common foamers used in drilling.

### ADVANTAGES:

- ⇒ Efficient viscosifier
- ⇒ Friction reducer / lubricant
- ⇒ Reduces fluid loss
- ⇒ Shale inhibition

### APPLICATION:

Rapid Poly Vis RD™ is supplied as a readily dispersible powder and hydrating without forming lumps or “fisheyes”. The recommended dosage is 0.25 ppb to 1 ppb of water based mud volume, as supplied.

The addition of Rapid Poly Vis RD™ 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 0.5% solution of Rapid Poly Vis RD™ 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	White Granular Powder
Bulk Density	0.7 gr/cc (~45 lbs/cu.ft.)
PH of 0.5% Soln @ 25°C	6.0 to 8.0
Charge in solution	Anionic