

## Polymer MGP

Mining Geo Parts is a subsidiary manufacturer of SGC Group.

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### Part number: Polymer MGP



### Container, 12/25 kg.

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**Polymer MGP** is a complex-structured, fast-dissolving, high molecular weight copolymer. This is a very strong mud thickener, high-reactive clay inhibitor. It is the base of polymer drilling mud, it is recommended for use in monolithic rocks, clays and shale.

#### APPLICATION:

**Polymer MGP** - a polymer additive for aqueous solutions. The reagent shall be applicable in fresh and saline water, and is resistant to high temperatures. The reagent is effective as a stabilizer for shale swelling, providing viscosity, reducing filtration, reducing torque and reducing friction, both in fresh solutions and solutions based on potassium chloride. High viscosity is achieved with low polymer concentrations.

The polymer shall be added to the water by mixing, either using a water jet pump and a Venturi tube, or fed into the solution under a paddle mixer, avoiding contact with the mixer blades, or under running water when filling the container with water.

**Polymer MGP** can also be useful in liquid / solid separation processes. It is especially recommended for:

- Coagulation
- Filtration
- Gravitational sedimentation
- Mechanical dehydration

## Application

<b>Recommendations for use</b>	<b>kg/m<sup>3</sup></b>
For creation of drilling mud, thickening	0.25-2.0
For stabilizing hydrophilic clays and shales	0.2-1.5

### **ADVANTAGES:**

- Improves the viscosity of the drilling fluid;
- Prevents swelling of water-sensitive shale and minimizes downhole problems;
- Reduces torque and reduces friction;
- Reduces or eliminates sticking;
- Eliminates or reduces the use of inorganic salts;
- Provides some fluid loss control for fresh solutions containing solids.
- Removes drill cuttings well
- Increases the wear resistance of the drill bit, drill string
- Increases core recovery

### **SAFETY AND ENVIRONMENT:**

- No adverse health effects are expected from contact with the product.
- For further instructions on handling the product, see the Material Safety Data Sheet.