



Product Name:

Guar Gum Powder

Guar gum powder is a natural polysaccharide extracted from guar beans, known for its thickening, gelling, and viscosity-modifying properties. It is highly valued in the oil and gas industry for its ability to optimize hydraulic fracturing, drilling, and oil recovery processes.

APPLICATIONS

- Hydraulic Fracturing:** Acts as a viscosity modifier in fracking fluids, enabling the suspension of proppants such as sand, which helps maintain open fractures and allows oil and gas to flow more freely.
- Drilling Fluids:** Enhances the viscosity of drilling fluids, ensuring efficient removal of cuttings and stabilization of the drill bit, reducing friction during operations.
- Water Loss Control:** Forms a gel that helps prevent water loss during oil recovery processes, improving the overall efficiency of the extraction.
- Stabilizing Agent:** Works to stabilize emulsions and strengthen the fluid structure in well stimulation and drilling operations.
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TECHNICAL SPECIFICATIONS

Form	Fine, white to off-white powder
Viscosity	4000-6000 cps (in 1% solution, 25°C)
Mesh Size	100-200 mesh (based on customer requirements)
pH	5.5 to 7.5 (1% solution)
Moisture Content	Max 12%
Ash Content	Max 1.0%
Hydration Rate	Rapid hydration in cold or hot water
Solubility	Completely soluble in water, forming a thick gel
Preservative	Free from chemical preservatives
Shelf Life	2 years if stored in cool, dry conditions
Packaging	200,000 lbs.

KEY BENEFITS

- Improves proppant transport in fracking fluids.
- Stabilizes drilling fluids, enhancing overall drilling efficiency.
- Reduces water loss, ensuring higher oil recovery.
- Reduces operational costs by optimizing fluid properties.

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