

# Liquid Guar CM XPT



## Fast Hydrating Polymer Viscosifier

Liquid Guar CM XPT Water Gelling Agent is a pure, high-viscosity guar polymer, suspended in an ultra-clean mineral oil. The guar gum used in this product is carefully chosen to provide the highest solution viscosities possible with this type of polymer. The “CM” designation in the product name indicates that this polymer has been processed for use in continuous mix applications, where extremely fast hydration and subsequent viscosity development is required. This liquid guar suspension is uniquely stable, easy to use, economical and has several oilfield applications.

## Applications

- Proppant-carrying capacity in fracturing fluids
- General viscosifier for drilling or workover fluids
- Rheology modifier in sand control
- Thickener for pad fluids in fracture acidizing

## Technical Information

|             |                             |
|-------------|-----------------------------|
| Activity    | 40% by weight<br>3.2 lb/gal |
| Density     | 8.0 lb/gal                  |
| Flash Point | 185°F (85°C)                |
| Pour Point  | -35°F                       |
| Color       | cream to tan                |

## Suspension Properties

40% active Liquid Guar CM XPT Water Gelling Agent will not experience the separation that is evident in competitive suspension products. It is not subject to settling or oil separation under normal storage or transport conditions. Starting with a fine mineral oil and utilizing our unique suspension technology, we eliminate settling of the pure guar gum particles while the product remains fully pourable. The long-term stability of the suspension provides for consistent, reliable product properties at your field locations any place in the world.

Packaging the guar gum as a liquid suspension allows for accurate metering and provides complete dispersion of the particles in your treating fluids before hydration begins. This quality eliminates problems of polymer lumping and incomplete viscosity development, even when facing adverse field mixing conditions.

## Packaging

The Liquid Guar CM XPT Water Gelling Agent is generally packaged in disposable, stackable totes, containing a net weight of 2100 lb of product (840 lb of guar gum). In some locations, larger, returnable totes are available, containing 4200 lb of product.

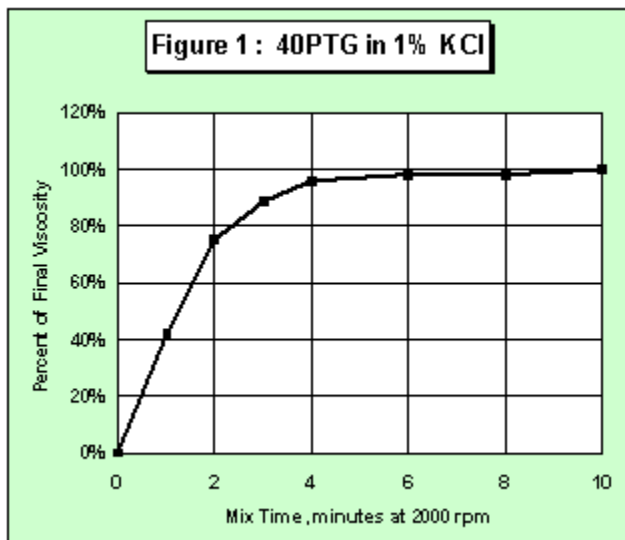
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## Hydration & Viscosity Development

Liquid Guar CM XPT Water Gelling Agent has been designed to provide easy dispersion and very rapid polymer hydration, specifically to satisfy the needs of continuous mix fracturing operations. When added to seawater, a KCl solution or other aqueous system, the guar gum suspension disperses readily without lumping, even under low-shear conditions. Once dispersed, the gum hydrates very rapidly, generating most of its full viscosity within just a few minutes as shown in Figure 1.



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