RAPID ENERGY SERVICES

PRODUCT DATA

EnerFrac™ G-40

Gelling Agent

Description:

EnerFrac™ G-40 is a Premium Grade guar gum that has been manufactured specifically for fracturing applications. EnerFrac™ G-40 is dispersible, will not lump or “fish-eye” and can be added rapidly to the base fluid. The maximum viscosity of EnerFrac™ G-40 batch mixed gels is reached within a few minutes. EnerFrac™ G-40 **does not** contain an internal enzyme breaker.

Physical Properties:

Form: Powder
Color: Cream
Odor: Mild
Charge: Nonionic

Chemical Family: Galactomannan
Solubility: Forms a gel in water
Bulk Density: 35 lbs/ft^3
Flash Point: None

Application:

EnerFrac™ G-40 is designed for batch mixed gels with continuous re-circulation. Add EnerFrac™ G-40 through a clean eductor or into the blender tub. EnerFrac™ G-40 is typically used at 5-20 lbs. per 1000 gals. to reduce friction pressure or 25-60 lbs. per 1000 gals. when a linear or cross-linked gel is desired. The table below can be used to determine the amount of gel required for a particular viscosity. EnerFrac™ G-40 may be cross-linked using EnerFrac™ X-Link 141 and EnerFrac™ X-Link 142

EnerFrac™ G-40, lb/Mgal	10	20	30	40
Viscosity, cP*	5.0	10.0	21.5	37.0

*as measured using a Fann Model 35A

Compatibility:

EnerFrac™ G-40 is nonionic and is compatible with all known frac fluid systems and additives.

Handling and Storage:

Store in a dry location. Opened bags should be tightly resealed. EnerFrac™ G-40 is non-toxic and virtually harmless. The dust may be irritating to the eyes and nose. A paper dust mask, safety glasses and cloth gloves are recommended during handling. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging:

EnerFrac™ G-40 is packaged in 50 lb. bags, 40 bags per pallet, 2000 lbs. per pallet, stretch wrapped.

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