

WGA-30FF Dry Guar

Environmentally friendly gelling agent used in hydraulic fracturing treatments

Applications:

- Can be used for fracturing both conventional and unconventional formations
- Rapidly hydrates in water to provide a base fracturing fluid for viscosity during the frac treatment or cross-linking
- Can be used to stabilize energized fluids for fracturing treatments
- Can be used in bottomhole temperatures ranging from 100° F to 300° F
- Used in the Weatherford AquaVis™ linear gel and DynaFrac® cross-linked fluid systems

Features and Benefits

- Used to make environmentally friendly suspension fluids
- Eliminates the mineral oil and surfactant slurring agents used in typical guar gel slurries
- Concentration ranges from 5 to 70 pounds per 1,000 gallons of water
- Easily dispersed to provide rapid viscosity development, which allows for continuous mixing
- Cleans up effectively with a wide range of breakers
- Microtox testing friendly

Product Description

WGA-30FF dry guar is a powdered-guar-based viscosifying agent used to make both linear and cross-linked shear-thinning fluids capable of transporting proppant over long distances without settling. This product is an environmentally friendly choice because it contains no mineral-oil-carrying fluids or surfactants that could pose a risk to the environment or to the wettability of the treated formation.

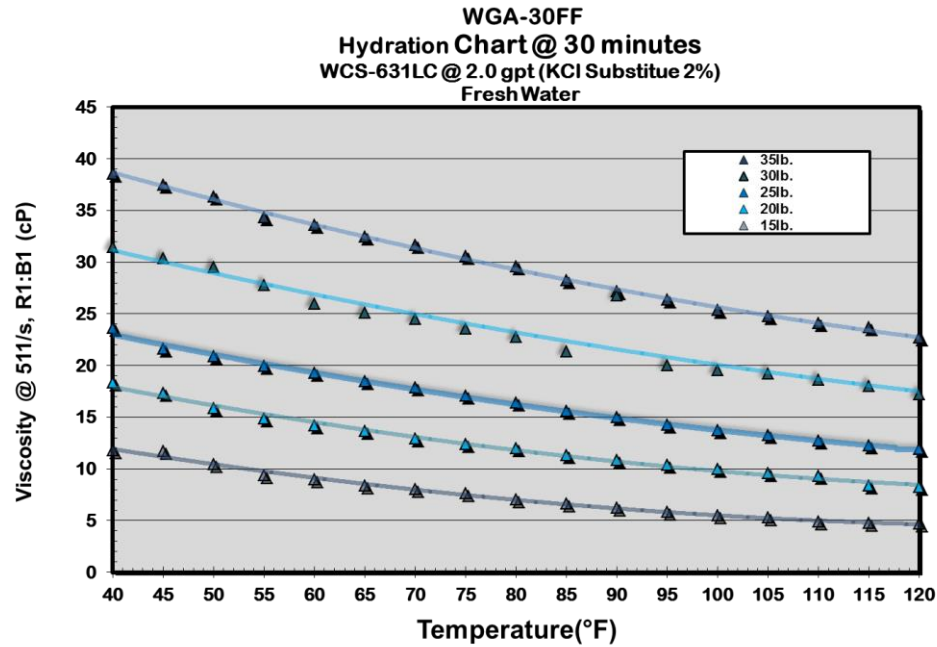
Specifications

Physical Properties

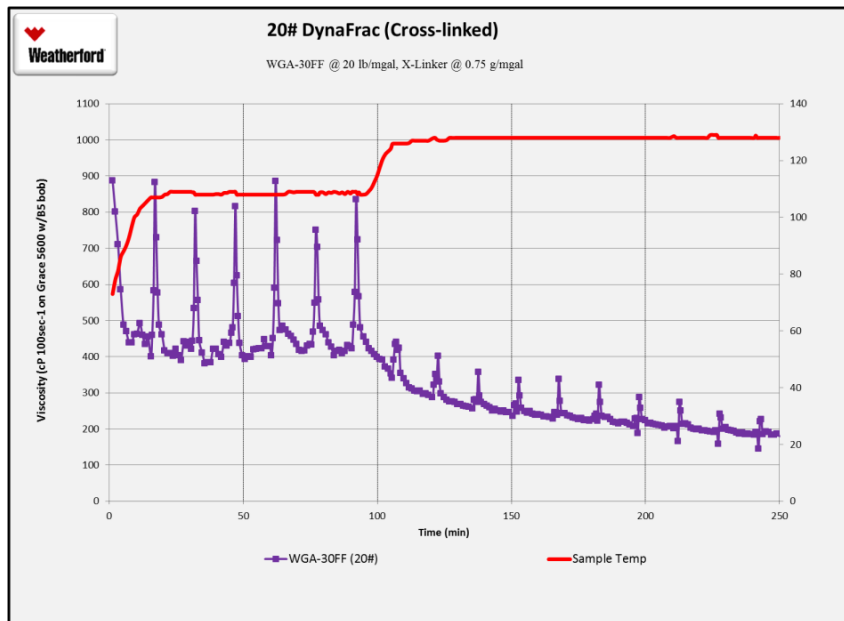
Specific gravity	1.045 to 1.065
Density	8.70 to 8.87 lb/gal
Ionic charge	Anionic
Appearance	White to tan powder
Odor	Odorless
Flash point	Not flammable



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The hydration chart above shows the wide temperature and viscosity range of a linear fluid at dry guar loadings from 15 to 35 lb/1,000 gal.



The chart above shows the crosslink rheology measurements for dry guar with borate crosslinker.

DynaFrac is a registered trademark of Weatherford in the US.

