Geocon Products
Infinite Possibilites

Technical Data Sheet

Friction Reducer
Grade Ref: FR 1020

FR 1020 is liquid friction reducer (FR) is designed to help reduce pipe friction pressures generated during hydraulic fracturing treatments using fresh water and moderate brines. FR 1020 is a single-stream oil-external emulsion which is easily inverted with a minimal amount of shear. It is effective at concentrations between 0.25-1 gallons per 1,000 gallons in fresh water.

Typical Properties

Appearance	Opaque liquid
Chemistry.....	Polyacrylamide
Active Content.....	50% min
Carrier.....	Mineral Oils
Density (lb/gal).....	8.22
pH.....	8-9
Flash Point	>200°F
Specific Gravity.....	1.07-1.09

Benefits using FR 1020

Anionic friction reducer
Oil-external emulsion
Single-stream friction reducer
Used with low to mid-range TDS water
Compatible with many stimulation chemicals
Reduces pipe friction pressure while pumping during Hydraulic fracturing

Using FR 1020

FR 1020 is an anionic in nature made with polyacrylamide performing in Fresh water and moderate TDS water. The typical addition range from 0.25 to 1.0 gpt, creating less chemical pump rate dependency in these higher TDS water.

Packaging

275 Gal. IBC Totes
1 X 20 Feet container = 18 totes
4950 gallon in 1 container load

Shelf life

1 year

Storage & Handling

FR 1020 to be stored in a dry, cool and well-ventilated area, away from incompatible materials. Available in 275 gal totes.Always wear appropriate protective equipment. Do not get in eyes or on skin or clothing.

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