Typical Physical Properties

Appearance: Brown/ Tan
Physical State: Liquid
Odor: Mild Hydrocarbon
Specific Gravity: 1.01–1.04
Weight per Gallon: 8.45–8.65 lb/gal
Solubility in Water: Complete
pH: 6.5–7.5
Flash Point: > 200 °F
Formula: Proprietary Blend

Product Information

- FR 1405 is suggested for use in Fresh Water, Saturated Brine, KCL, or bromine weighted solutions.
- FR 1405 is an Efficient and Versatile polymer, capable of delivering unmatched performance in environmentally applicable; Slick Water, Coil Tubing and Sweep processes.
- FR 1405 can be used to increase flow potential in air drilling operations.
- FR 1405 is engineered to vastly exceed the performance of conventional Acrylamide FR’s at a price point below the conventional market.
- FR 1405 is designed to function in any pH condition.
- FR 1405 can be used as a direct replacement for guar or xanthums.

Differentiated with Added Value

- Integrated Scale inhibitor Option
- Cold Weather Package {to – 40°C}
- High Temperature {for environments above 300°C}

Viscosity Properties (in CPS)
Grace Instrument M5600 HPHT at 3 RPM
• Dosage: 2 Gallons per 10 bbl in Fresh Water
  • LSRV Plastic Viscosity (PV): 0.6
  • LSRV Yield Point (YP): 6.7

Handling/Safety
FR 1405 is available in 5 gallon pails, 55 gallon drums, 275 gallon IBC tote bins and in bulk. Material Safety Data Sheets are available outlining safe handling practices.

Technical Sales & Service
Phone: 1–800–630–3922
Website: CoilChemLLC.com

Viscosity vs Funnel Viscosity

- All values listed on this document are to be considered average.
- Water quality and specific job condition will always influence certain viscosity reading.