



WFR-62LA

Friction-Reducer for Water

WFR-62LA is a high-molecular-weight, anionic, synthetic polymer that effectively reduces friction pressures while pumping aqueous fluids. Upon contact with water, the emulsion inverts and the polymer rapidly hydrates, yielding excellent friction pressure reduction.

Applications

- Effective friction reducer for freshwater, make-up brines, and produced waters
- Typically used for “slick water” fracturing treatments
- Can be used in some high-salinity brines

Usage

- This product is normally used at concentrations of 0.25 to 2.0 gal/1,000 gallons (0.25 to 2.0 L/m³) continuously or batch-mixed.
- Add slowly and evenly, using enough shear to achieve proper dispersing.
- Optimum dosage, temperature, and extent of mixing should be determined for a cost-effective operation.

Safety Notices

Consult the MSDS, safety posters, and/or product label before use, and use personal protective equipment as advised.

Observe standard precautions when handling this and all other organic chemicals.

Advantages

- Quickly reduces friction pressures through rapid hydration
- Can be premixed or continuously mixed on-the-fly
- Excellent performance in waters with divalent cations
- Reduces horsepower requirements at a given rate
- Can lower stimulation-equipment costs

Typical Physical Properties

Appearance	Milky-white liquid
Specific gravity at 77°F (25°C)	1.04 to 1.09
Ionic charge	Anionic
Aqueous solubility	Dispersible
Flash point (°F/°C)	> 200 > 93
Freezing point (°F/°C)	< 14 < -10
Boiling point (°F/°C)	> 212 > 100
Packaging	55-gal (208-L) drum 263-lb (119-kg) tote

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