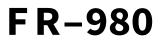


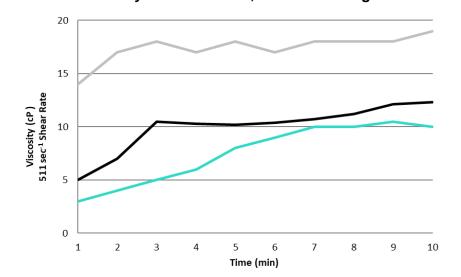
HIGH VISCOSITY FRICTION REDUCER

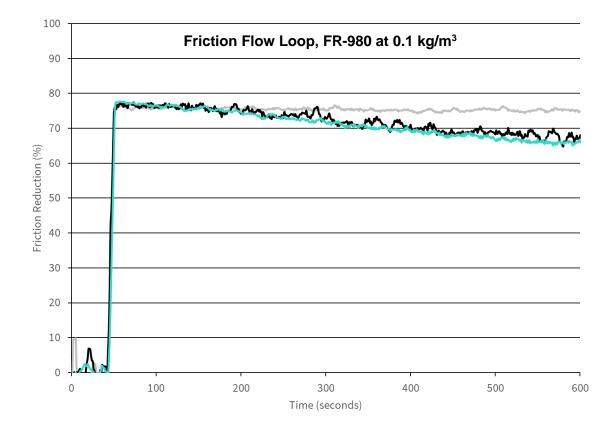


FR-980 is a powdered 80 mesh size anionic friction reducer that can be utilized in fresh water to high brines. The polymer is compatible with additives and anions in water. The polymer can be tailored to slick water or slick-visc treatments as this product gains significant viscosity in fresh and brine water, allowing for water recycling and avoiding disposal costs.

| | Brine Compositions | | |
|-------|--------------------|------------------|---------------------------|
| Fresh | Salt (% w/v) | KCl Brine | Modified API Brine |
| | NaCl | - | 8.0 |
| | KCl | 3.0 | - |
| | CaCl ₂ | - | 2.0 |
| | Salinity (ppm) | 30,000 | 100,000 |









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