



Texan Minerals and Chemicals

Product Data Sheet



TEXAN DRY-FRESH

Fresh Water / Mid Brine Friction Reducer

Viscosity Building

Description

TEXAN DRY-FRESH is a premium anionic high molecular weight polyacrylamide friction reducer that is highly effective in fresh to mid brine water applications. It is easily dispersed, inverted, and hydrated into solution with minimal amount of shear. TEXAN DRY-FRESH is APE (alkyl phenol ethoxylates) and NPE (nonyl phenol ethoxylates) free, thus making it environmentally friendly.

TEXAN DRY-FRESH will build fluid Viscosity in fresh to low brine water applications by increasing loadings.

Applications

TEXAN DRY-FRESH has been specifically optimized for use as a fresh water-to-mid brine friction reducer that can build viscosity. It can be used directly in dry powder form with excellent hydration properties or can be blended as a suspension. It is compatible with common non-ionic and anionic stimulation additives such as surfactants, scale inhibitors, biocides, and clay stabilizers.

Properties

Form	White Powder
Smell	Odorless
Mesh Size	100
Molecular Weight	18-20 (million)
Charge	28-33 (Anionic)
Density	0.82g/cm ³
Insoluble Content	≤ 0.2%

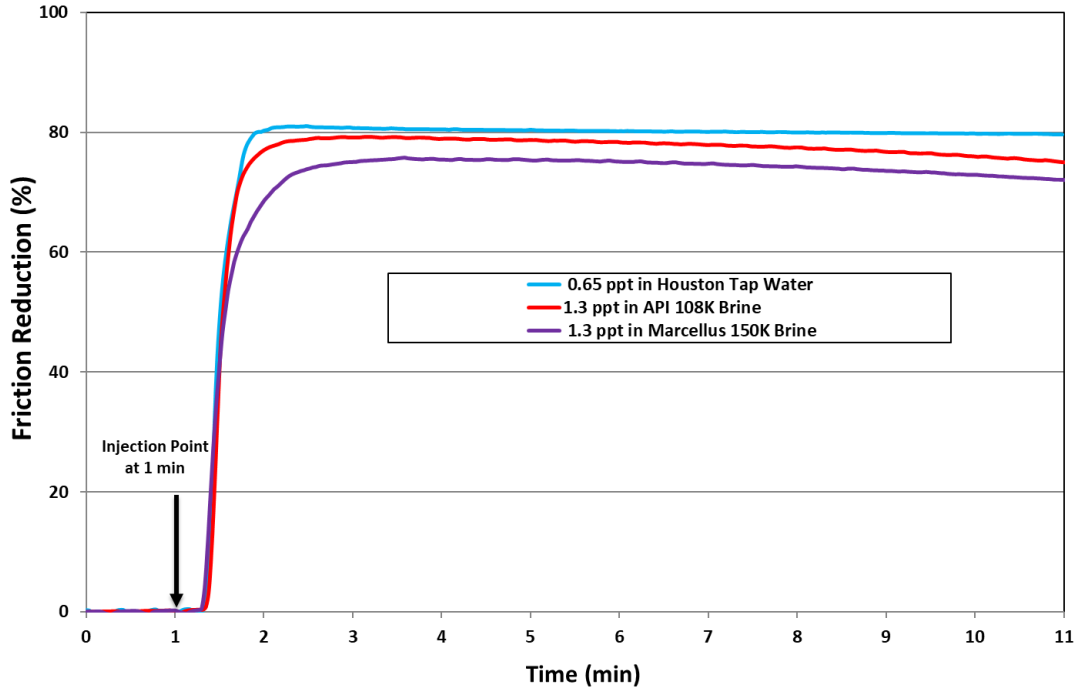


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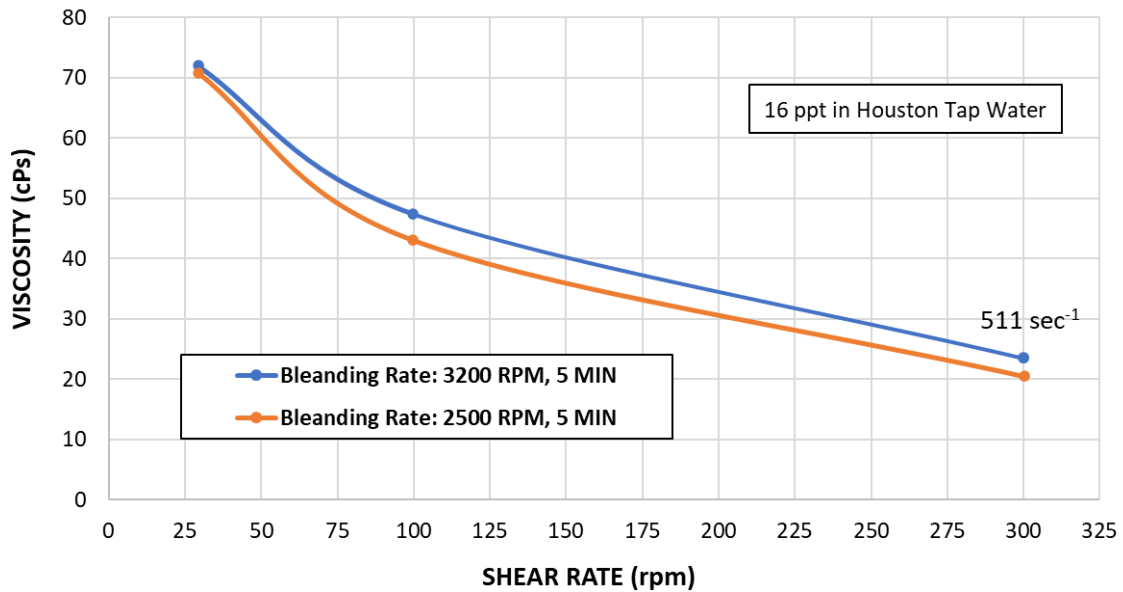


Fresh to Mid Brine Performance:

3/8" OD Flow Loop Results



VISCOSITY VS SHEAR RATE



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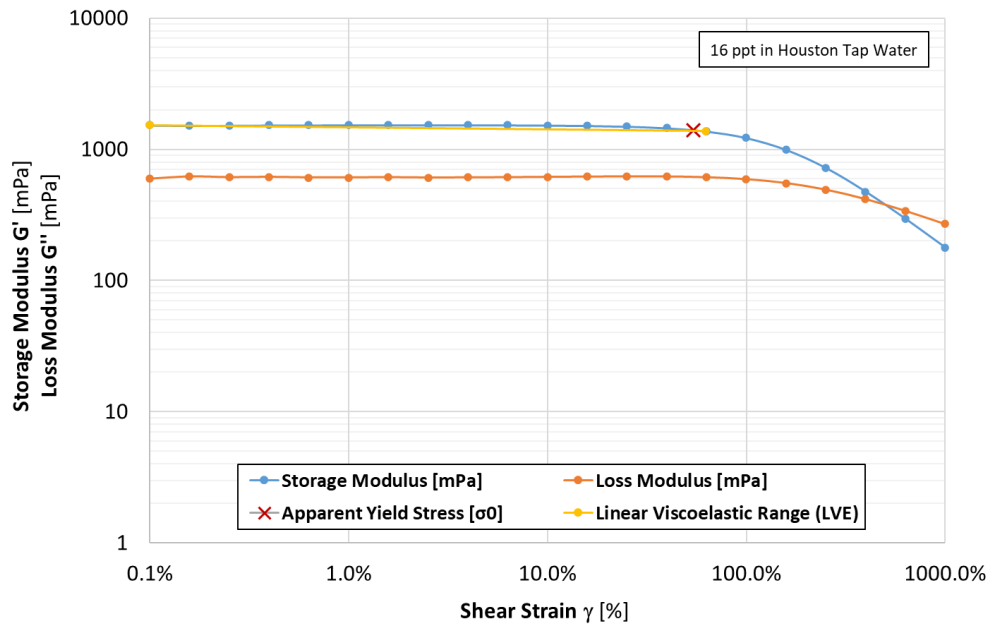
Phone: 713-294-4180 Email: Mani@TMCgreen.com



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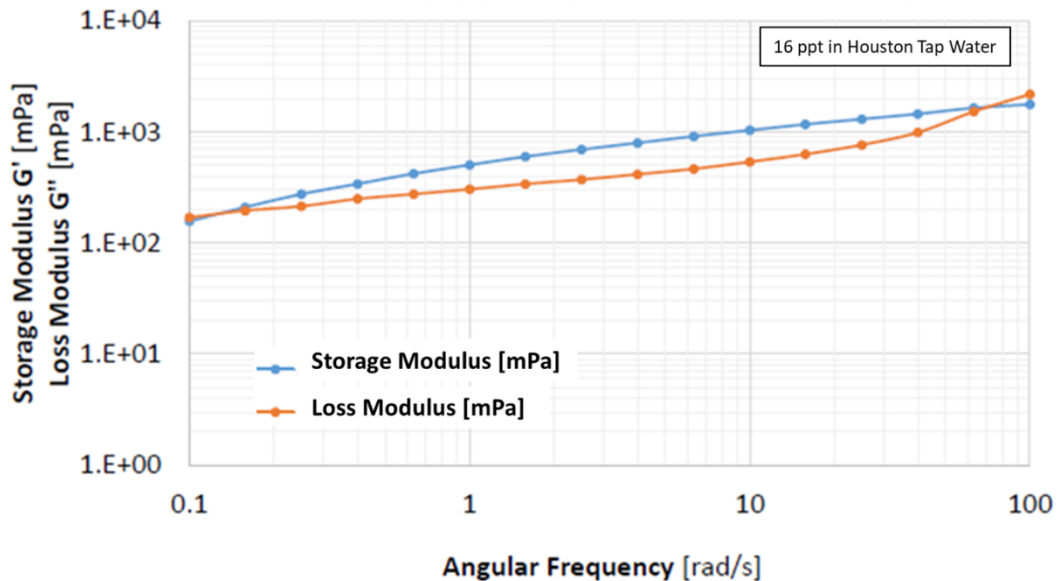


Amplitude Sweep - Storage/Loss Modulus vs. Shear Strain
6.28 rad/s Angular Frequency Constant (ω) | 75°F | Cone & Plate Geometry



Frequency Sweep - Storage/Loss Modulus vs. Angular Frequency

1.0 % Shear Strain (%) | 75°F | Cone & Plate Geometry



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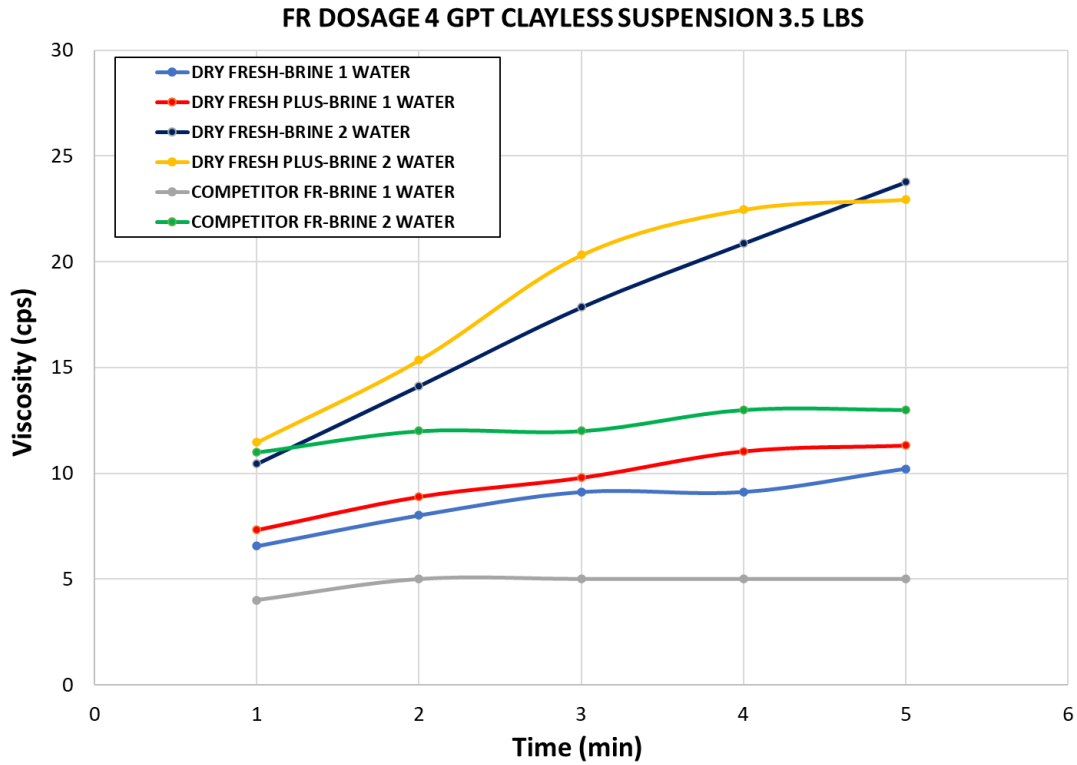
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Complex Brines Applications:



WATER COMPOSITION

	Ca ²⁺ ml/L	Mg ²⁺ ml/L	Na ⁺ ml/L	Cl ⁻ ml/L	TDS ml/L
Brine 1	335	168	3,934	7,147	11,584
Brine 2	40	50	1,072	1,075	4,800

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