

## FRICTION REDUCER

## FR-100

V24.07.20

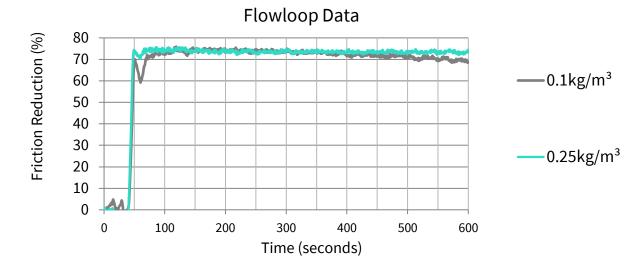
FR-100 is low-cost, anionic high molecular weight polyacrylamide friction reducer used for hydraulic fracturing operations. FR-100 is available as a powder or as a liquid slurry. FR-100 is appropriate for use in freshwater to high TDS base fluids for friction reduction. In fresh water, FR-100 will build viscoelasticity at higher loadings to assist in proppant transportation.

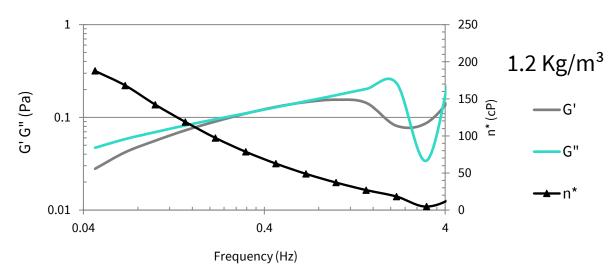
## **VISCOSITY TESTING**

## BALL DROP TESTING

3 KG/M³	511 sec <sup>-1</sup>
CONTROL	1.0
FR-100	35
HVFR-110	35
HVFR-120	70

3 KG/M³	Suspension Ratio
CONTROL	1.0
FR-100	4. 1
HVFR-110	4.9
HVFR-120	8.9





This information is provided for general purposes only and is believed to be accurate at the time of publication. Hybrid Chemical Technologies and its affiliates do not make any warranties or representations of any kind regarding the information and disclaim all express and implied warranties or representations to the fullest extent permissible by law, including those of merchant ability, fitness for a particular purpose or use, title, non-infringement, accuracy, correctness or completeness of the information provided herein. All information is furnished as is and without any license to distribute. The user agrees to assume all liabilities related to the use of or reliance on such information. HYBRID CHEMICAL TECHNOLOGIES SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES FROM ANY CAUSE WHATSOEVER INCLUDING BUT NOT LIMITED TO ITS NEGLIGENCE.