



EcoThick LB

Friction Reducing Additive

Technical Data Sheet

General Information

EcoThick LB is a high molecular weight polymer, designed to perform as a friction reducer in light brines, and build apparent viscosity at higher concentrations. Physical properties are shown in **Table 1**.

Table 1. Physical Properties

Appearance	Opaque, off white emulsion
Specific Gravity	1.00 - 1.05
Viscosity	800 - 2000 cps
Ionic Charge	Anionic
Freezing Point	< 0 degF

Performance

EcoThick LB performance has been evaluated via Fann35 viscometer and friction flow loop. Viscosity data is shown in **Table 2**, and drag reduction data is shown in **Figure 1**.

Table 2. Viscosity of EcoThick LB (1.0 gpt, 4.0 gpt, 6.0 gpt, and 8.0 gpt) in various water sources

EcoThick LB Concentration (gpt)	1.0 gpt		4.0 gpt		6.0 gpt		8.0 gpt	
	Tap Water	2% KCl	Tap Water	2% KCl	Tap Water	2% KCl	Tap Water	2% KCl
511	3.3	2.1	18.6	6.0	25.8	8.8	42.9	13.5
170	4.1	1.7	28.8	7.6	44.7	11.7	71.7	17.6
35	8.8	1.6	46.7	8.3	78.5	15.0	127	25.0

* Measurements were observed on a Fann35 viscometer (R1B1F1 configuration) at ambient temperature

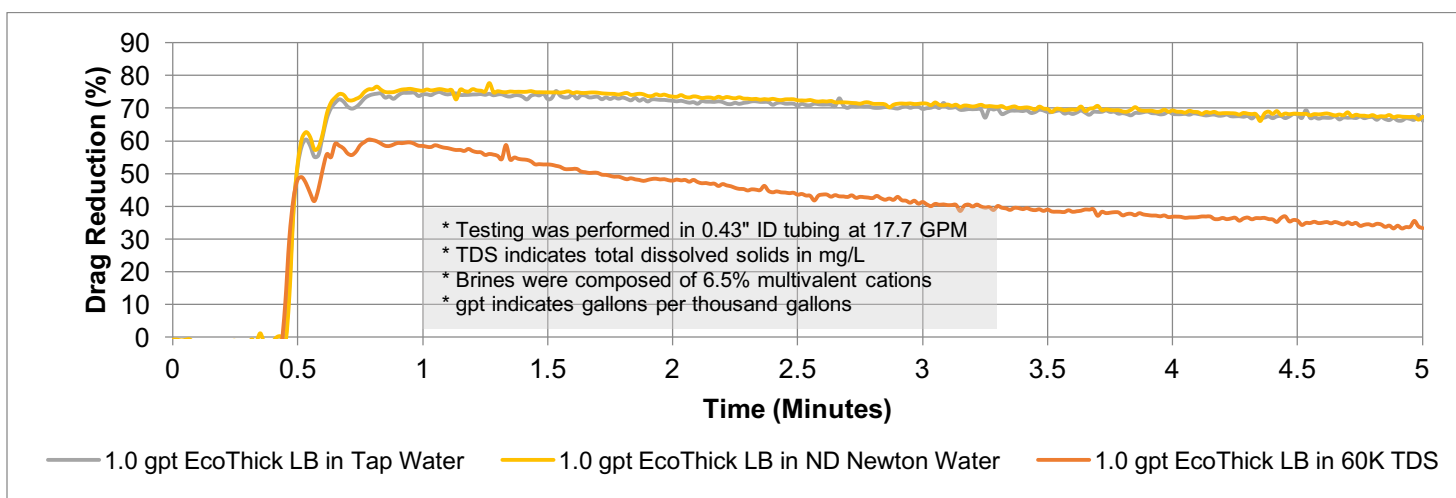


Figure 1. Drag reduction for EcoThick LB in various brines