



## TECH DATA SHEET

**PRODUCT DESCRIPTION:** **POLY-FORCE LV** acrylic copolymer is a low-molecular-weight, medium-charge acrylic copolymer designed to provide cuttings encapsulation and clay-dispersion inhibition. It is designed for use in fluids based on fresh and saline water environments. **POLY-FORCE LV** acrylic copolymer provides minimal viscosity contribution and can enhance filtration properties. When added to MAX GEL viscosifier or MAX BORE HDD bentonite, **POLY-FORCE LV** acrylic copolymer produces an inhibitive drilling-fluid system without affecting fluid properties.

**APPLICATIONS AND USE:** Total hardness should be treated out first with bicarbonate/soda ash. Maintain pH below 10 for optimum performance.

	Lb/100 gal	Lb/bbl	Kg/m <sup>3</sup>
Bentonite-free drilling fluid	0.5–1.5	0.2–0.6	0.6–1.8
Added to MAX GEL viscosifier or MAX BORE HDD bentonite for inhibition	0.25–0.75	0.1–0.3	0.3–1.0
Foam drilling (stiff foams)	0.5–1.0	0.2–0.4	0.6–1.2

**PRODUCT ADVANTAGES:**

- Provides excellent cuttings encapsulation and limits cuttings dispersion
- Enhances removal of drill solids by reducing dispersion tendencies
- Provides improved shale stabilization
- Does not negatively affect positive rheological profiles

**PHYSICAL PROPERTIES:**

Appearance:	White granular powder
Specific Gravity:	0.7
pH:	6.0–8.0

**PACKAGING:**

**POLY-FORCE LV** is available in 28 lb. pails.



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