



Fluid Loss Additive FLA 100 HV

CHEMISTRY

FLA 100 HV is a solid-grade, low molecular weight, high charge anionic polymer.

APPLICATION

FLA 100 HV is a medium viscosity sodium polyacrylate polymer used to control rheology and reduce fluid loss in freshwater and seawater muds. FLA 100 HV is thermally stable and not subject to bacterial degradation. Normal treatment rates range from 0.5 to 1 ppb. Calcium levels up to approximately 400 ppm may be tolerated.

BENEFITS

- Develops a thin, tight filter cake to reduce fluid loss to the formation.
- Thermally stable to $>400^{\circ}\text{F}$ / 204°C

LIMITATIONS

- Precipitates in the presence of high divalent cations such as calcium and magnesium
- Total hardness must be maintained below 320 mg/L with soda ash
- Should not be used in calcium systems such as lime, gyp, or untreated seawater

TYPICAL PROPERTIES

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|------------------------|--|
| – Appearance | Off white free flowing powder |
| – Bulk density | 0.4 to 0.6g/cm ³ |
| – pH (0.5% w/v) | 8 to 12 |
| – Effective pH range | 4 to 13 |
| – Brookfield Viscosity | 10% @ 25°C in distilled water 400 – 1200 Cps |

PACKAGING

FLA 100 HV is packed in 50lb bags, 20 pallets (14.74 tonnes) to a full container load.

STORAGE

FLA 100 HV can be stored for 12 months if the temperature is stable between 5 and 35°C, away from direct sunlight and moisture.