

CWLG Welan Gum

SUPERIOR BIOPOLYMER **PRODUCT BULLETIN**

CWLG Welan Gum is multifunctional biopolymer produced by fermentation of sugar by bacteria of the genus *Alcaligenes*. The molecule consists of repeating tetrasaccharide units with single branches of L-mannose or L-rhamnose. Stable over a wide range of temperature and pH, CWLG Welan Gum has superior functionality in various oilfield applications.

APPLICATIONS

CWLG Welan Gum thickens, suspends, and stabilizes water-based systems while imparting excellent rheological control. In drilling fluid application, CWLG Welan Gum can be used to maintain the viscosity of water-based drilling fluid and control its rheological properties. In cementing application, CWLG Welan Gum can be used to enhance water retention and improve stability.

ADVANTAGES

- Excellent thermal stability.
- Superior shear-thinning property
- Releases viscosity rapidly in water
- Stable over a wide range of pH and temperature.
- Compatible with high calcium environments.

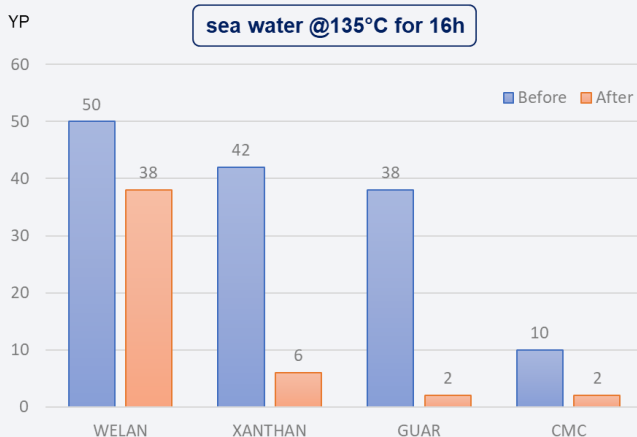
TYPICAL PROPERTIES

Form	Powder
Color	White to cream
Specific Gravity	1.45
pH, 1%	7-9 (1% solution)
Particle Size	90% pass 80 mesh

PACKAGING & STORAGE

- Available in Bag, Supersack, and Bulk.
- Can be stored for 12 months. Prevent from moisture and humidity exposure.

Excellent thermal stability



Stable over extreme pH conditions

