

XANTHAN SLURRIES

Xanthan is a member of a family of polymers called hydrocolloids, which are both water-soluble and hydrophilic, meaning its molecules are attracted to water. Having an attraction to water is an essential characteristic of xanthan gum, as water is the base carrier fluid in drilling muds.



APPLICATION & TESTING

APPLICATION

Xanthan gum is a thickening agent in drilling muds to increase viscosity. When mixed into water, xanthan gum swells, and takes on a gel-like consistency that is proven to be an excellent carrier of drill cuttings. When flow of drilling mud stops, the xanthan helps keep cuttings trapped in suspension instead of allowing them to out.

ADVANTAGES

- Highly Customizable
- Compatible with Aphron Systems
- Thermal Stability

PROPERTIES

- Specific Gravity: 1.050 – 1.095
- Density: 8.76 – 9.14 lbs/gal
- Appearance: Tan to Brown
- cP Brookfield #3 @ 60 rpm: 1000 – 2200
- cP FANN 35 @ 60 rpm: 60 – 90

BENEFITS

- Viscosity building
- Solids transport
- Formation protection
- Compatibility with high brines
- Stable suspension

PACKAGING

- 5 gallon pails
- 275 gallon totes
- 330 gallon totes

RECOMMENDED USAGE

It is recommended to begin building a slurry using 5gal of Xanthan Slurry per 10bbl of water. Quality of water may require more or less slurry to achieve target viscosity.