



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

IM-ZAN™ PURE XC POLYMER

Viscosity Aid for Water Based Drilling Fluids

IM-ZAN is high purity xanthan gum polymer used to increase viscosity in all types of water based drilling, completion and work-over fluids. **IM-ZAN** is environmentally non-damaging and provides the maximum rheology at low dosage concentrations.

Product Specifications:

Property	Specification
Bulk Density (kg/m ³)	700 – 850
pH	7.0 – 9.0
Sieve analysis (40 mesh, %)	Min. 98
Solubility in Water	Complete in water of any temperature
Bio-degradability	Complete
Viscosity (1% in KCL brine, Brookfield LVT, 60 rpm, Spindle 3, cPs)	1500 - 1800
Appearance	Off-white to tan free flowing powder

Functions:

IM-ZAN has the following functions:

- Provides excellent and effective suspension properties limiting settlement of weighting agents and drilled cuttings.
- Has excellent low shear rheology, allowing for maximum lifting and removal of drilled solids.
- Effective in both weighted and low solids mud over a wide pH range and in all types of saturated brines.
- Effective shear thinning agent promoting low bit viscosity for maximum attrition rates and high annular viscosity for effective hole cleaning.
- Non-damaging to formations and can be easily removed with acids and oxidizing agents.
- Maintains performance at down-hole temperatures in excess of 270 deg F.

Recommended Treatment:

Concentrations in the range of 0.25 - 2.0 lb/bbl are recommended to control drilling mud properties. The quantity used would be dependent on the drilling fluid system, drilling depth and equipment.

Packaging:

Packaged in 50 lbs and 25 kg multi-wall paper sack

Legislation and Handling Recommendations:

Not restricted by any regulatory agency. Refer to the Material Safety Data Sheet (MSDS) for the product prior to use.

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