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Technical Data Sheet

GENERAL INFORMATION

ECOPOL XANLMS is a xanthan gum slurried in an environmentally friendly mineral oil. Fluids formulated with ECOPOL XANLMS exhibit rheological properties that are useful in a wide variety of oil & gas well environments. ECOPOL XANLMS fluids are very durable under high shear conditions, can tolerate a very wide pH range, have a tolerance for electrolytes, and can withstand temperatures up to 300°F. Because ECOPOL XANLMS fluids have the ability to develop high viscosities at low shear rates and a low apparent viscosity at high shear rates, it is very effective in drilling, workover, completion, spotting, spacer, pigging, and milling fluids.

PHYSICAL PROPERTIES

Density	8.68 lbs/gal
Activity	4.0 lbs/gal
Appearance	Tan Liquid Slurry
pH	6.5-8.5
Brookfield Slurry Viscosity	1500-2500cps

RHEOLOGY, 0.28% IN SEAWATER, FANN-35 DIAL READING

Fann-35 at 600rpm	≥ 75
Fann-35 at 300rpm	≥ 55
Fann-35 at 200rpm	≥ 45
Fann-35 at 100rpm	≥ 35
Fann-35 at 6rpm	≥ 18
Fann-35 at 3rpm	≥ 16
Loss on Drying	≤ 15
Particle Size thru 42 Mesh	$\geq 92\%$

PRODUCT APPLICATION

Typically, ECOPOL XANLMS is used at a concentration of 5-10 gal/1000 gal for use as a drilling, workover, or completion fluid. At these concentrations, ECOPOL XANLMS fluids exhibit rheological properties that allow for suspension of solids under very low shear rates, but lower viscosities at high shear rates for ease of application.

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