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Technical Data Sheet

GENERAL INFORMATION

ECOPOL XAN is a Xanthan Gum based rheology modifier. Fluids formulated with ECOPOL XAN exhibit rheological properties that are useful in a wide variety of oil & gas well environments. ECOPOL XAN 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 150°C. Because ECOPOL XAN 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.

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	≥92%

PRODUCT APPLICATION

Typically, ECOPOL XAN is used at a concentration of 2-5 kg/m³ for use as a drilling, workover, or completion fluid. At these concentrations, ECOPOL XAN 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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