BARAZAN® D PLUS™

VISCOSIFIER/SUSPENSION AGENT

Product Description

BARAZAN® D PLUS™ viscosifier/suspension agent is a premium quality, powdered Xanthan gum polymer that is used to viscosify fresh water, seawater and monovalent brines. BARAZAN D PLUS viscosifier/suspension agent is treated with a dispersant to promote the yield with reduced amounts of shear for improved mixing properties. BARAZAN D PLUS viscosifier/suspension agent has higher yield specifications and develops more viscosity / suspension than equivalent concentrations of BARAZAN® or BARAZAN® D™ viscosifiers/suspension agents. BARAZAN D PLUS viscosifier/suspension agent can be used up to 250°F (121°C).

Applications/Functions

» Viscosify fresh water and brine-based fluids used for drilling, milling, under-reaming, and gravel packing operations
» Suspend bridging agents and weighting materials in fresh water and the brine systems described above

Advantages

» Disperses easily in fresh water or brine with shear
» Helps provide thixotropic properties and non-Newtonian flow characteristics over a wide salinity range at low concentrations
» Helps provide excellent suspension without the need for clays
» Helps minimize the potential for formation damage
» Stable to 250°F (121°C)

Typical Properties

» Appearance: Yellow to white powder
» pH, (1% aqueous solution): 6.3
» Specific Gravity: 1.6

Recommended Treatment

Add 0.1-2 lb/bbl (0.3-5.7 kg/m³) of BARAZAN D PLUS viscosifier/suspension agent, or as needed to obtain the desired viscosity and suspension characteristics.

Caution: Loss of viscosity and possible polymer precipitation can occur when used in a high pH and high calcium ion environment

Packaging

BARAZAN D PLUS viscosifier/suspension agent is packaged in 25-lb (11.3-kg) sacks and 55.1-lb (25-kg) sacks.