

ENERGEXON

TORREX

High Temperature Polymer
Optimized for temperatures ranging from 180-200°C

TORREX

At a Glance

TORREX is a high - temperature polymer designed for fluid loss control in water - based drilling fluids, adaptable to a range of salinity levels and optimized for downhole temperatures between 180°C and 200°C.

Application

Water - based drilling fluids ranging from fresh water to any salinity levels.

Mixing

Mix slowly through conventional jet hopper

Handling

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the SDS

Packaging

50-lb or 25-kg, multiwall paper sacks

Normal Concentration

0.5-14.0 lb/bbl (1.5-40.0 kg/m³)

Advantages

- Control Fluid Loss
- High Salt Tolerance
- Environmental Safety
- Good Thermal Stability
- Enhance Filter cake Quality

ENGINEERING



TORREX is a high temperature synthetic polymer specifically designed for demanding drilling applications, optimized to operate effectively within downhole temperature ranges of 180 -200°C. Its primary function is to deliver robust filtration control in water -based muds under high-temperature conditions.

This polymer demonstrates excellent compatibility with common additives and performs reliably across diverse salinity environments, including KCl, saturated NaCl, and high - concentration formate brines. TORREX L's adaptability makes it a versatile choice for a wide range of challenging drilling conditions.

By combining EzyPAC, TORREX L, and TORREX, freshwater or saltwater based drilling fluids can achieve a seamless transition from normal temperature conditions to high-temperature environments, effectively managing temperature ranges from 100°C to 150°C, 180°C, and up to 200°C.

TYPICAL PROPERTIES



Appearance	White to light tan powder or granules
Bulk Density (g/cm ³)	0.60 -0.65
pH (1% Solution)	7.0 -10.0
Apparent Viscosity (1% Solution)	≤50 (cP)
API FL of Fresh -water fluid AHRfor 16h @150°C	≤15 mL/30min
HTHPFL of Fresh -water fluid AHRfor 16 h @150°C	≤35 mL/30min
API FL of 4% NaCl fluid AHRfor 16h @150°C	≤15mL/30min
HTHPFL of 4% NaCl fluid AHRfor 16h @150°C	≤35 mL/30min

