

STAR-PLEX

STAR-PLEX is a specialty product used to enhance HI YIELD GEL.

STAR-PLEX viscosifier is an inorganic extender for water-base bentonite drilling fluids.

APPLICATIONS STAR-PLEX allows the formulation of fluids with exceptional LSRV – a drilling fluid with both excellent dynamic and static fluid characteristics. This is indicated by high-yield point and low plastic-viscosity readings. When not circulating, the mud instantly returns to a gelled state and immediately suspends drilled cuttings.

STAR-PLEX is compatible with anionic products such as detergents or polymers, unlike other inorganic bentonite extenders like mixed-metal oxide (MMO).

- ADVANTAGES**
- High rate of penetration
 - Excellent cuttings transport
 - Excellent cuttings suspension
 - Borehole stabilization through “gel locking” in the formation

TYPICAL USE

Typical Amounts of STAR-PLEX Added to fluid system	
Method of Addition for 265 gallon (1000L) of make-up water	
Once HI YIELD GEL is hydrated add 3-lb (1.5-kg) STAR-PLEX (1.5 vis cups) and mix for 5 minutes	
STAR-PLEX is typically mixed in a 20:1 ratio with bentonite. Increasing the bentonite to STAR-PLEX ratio will increase carrying capacity and gel strengths	
Mix in small amounts in standard bentonite systems to provide high-viscosity hole cleaning “sweeps”	
For torque reduction in harder formations, add LUBRA-STAR PLUS	

TYPICAL PROPERTIES

Physical appearance	White to beige free-flowing powder
Specific gravity	2.8 – 3.1
pH (1% solution)	6.5 – 8.0

PACKAGING STAR-PLEX is packaged in 25-lb (11.3-kg) multi-wall, foil-lined paper sacks