

Aldex Copolymer Series

C-800x5 Copolymer

Aldex C-800X5 copolymer is designed to act as a **mechanical lubricant**, which is stable to 274°C (525°F). It is compatible with water-base, oil-base, and synthetic base mud systems. Because of its high compressive strength, this lubricant is able to minimize casing wear, reduce torque and drag and lower the risk of differential sticking in depleted, underbalanced formulations.

Physical Chemical Properties

Polymer Structure:	Styrene/Divinylbenzene
Physical Form:	Transparent beads
Odor:	No odor
Solubility in Water:	Insoluble
Reactivity:	Chemically inert
Moisture Content	1% Maximum
Specific Gravity:	1.05
Shipping Weight:	40 lbs per cubic foot
Screen Size Distribution:	
Fine:	40 to 70 mesh
Course:	16 to 40 mesh

C-800x5 Advantages

- Reduces friction
- Minimizes casing wear
- Decreases torque and drag
- Breaks capillary attraction
- Compatible with all drilling fluids
- Lowers risk of differential sticking
- Non-abrasive

Applications

Aldex C-800x5 Copolymer is designed for use in situations where torque, drag, casing wear, and/or the potential for differential sticking are likely. Typical applications for Aldex C-800x5 Copolymer are highly deviated holes, wells with high tortuosity, and wells with severe or unplanned doglegs where high torque and drag are encountered.

The initial concentration of Aldex C-800x5 Copolymer is in the range of 5.6-17kg/m³. This value can be adjusted in accordance with the torque and drag limitations of the drilling operation. After the initial treatment, additions need to be made to replace product that is left embedded in the formation or the mud filter cake. In wells where rotation inside of casing is required for extended periods of time, Aldex C-800x5 Copolymer reduces wear, which in turn reduces the risk of compromised casing integrity.

Aldex Chemical Company, Ltd. • 630 Laurent Street • Granby QC Canada J2G 8V1
450 372 8844 • Fax 450 372 2566 • info@aldexchemical.com

These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However, we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents. Further, we assume no liability for the consequences of such actions.

Aldex C-800x5 Copolymer as a mechanical lubricant can also be spotted in an open hole for logging operations and for running casing at 22.8-34.2 kg/m³.

It is also available in fine or coarse sizes, varying from 100 microns to 1000 microns.

Packing and Storage

- Product packaged in 40 lb. bags.
- Store in a dry location away from sources of heat or ignition.

Limitations

Conventional solids control equipment discards beads from the system. A Bead Recovery Unit (BRU) should be used to keep beads in the mud system.

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Safety Information

A material safety data sheet is available for Aldex C-800x5 Copolymer. Copies can be obtained from Aldex Chemical Co., LTD. Aldex C-800x5 Copolymer is not a hazardous product and is not WHMIS controlled.

Caution: Acidic and basic regenerant solutions are corrosive and should be handled in a manner that will prevent eye and skin contact. Before using strong oxidizing agents in contact with ion exchange resin, consult sources knowledgeable in the handling of these materials.



Since 1976

aldexchemical.com