

Opt-Max Grease CS

CALCIUM SULPHONATE COMPLEX GREASE

Opt-Max Grease CS is a calcium sulfonate complex soap based grease designed for a wide range of heavy duty applications.

Product Description

Opt-Max Grease CS is a heavy duty multipurpose calcium sulfonate complex soap based grease for use in a wide range of marine, industrial and automotive applications. It is formulated with high viscosity semi-synthetic base oil and high performance additive technology that provides enhance properties such as, resistance to water washout, high load capacity, thermal resistance and effective protection from wear and corrosion.

Features and Benefits

- Excellent EP protection and load carrying ability to protect equipment under heavy and shock loading.
- Excellent anti-corrosion and anti-oxidation properties.
- Excellent water resistance with minimal loss of consistency even with high amounts of water entering the grease.
- Excellent thermal stability that allow the grease to retain its texture after cooling to ambient temperature.
- Good adhesive property ensures that the grease stays in place for longer re-lubrication intervals.

Applications

- Suitable for use on equipment that are subjected to high loads, shocks, working conditions where the grease is in frequent contact with water, such as pulleys, wire rope, winch and open gears.
- Suitable for use in heavy duty equipment in the marine, offshore, cement, mining / quarrying, agriculture & forestry / logging, off highway and other industrial applications.
- Working temperature is between -20 to 180°C.
- Preferably use a centralized pump system or grease gun to apply.

Performance Standards

Opt-Max Grease CS meet the following performance requirements:

- ISO 6743-9(GB 7631.8-90): L-XBFB T1
- Q/ SY RH2152

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Specifications

Product Properties		Opt-Max Grease CS	Testing Methods
Worked Penetration	0.1mm	302	GB/T269 ASTM D217
Dropping Point	°C	310	GB/T3498 ASTM D2265
Four-ball weld load	N	3089	SH/T0202 ASTM D2596
Water washout loss (79 °C, 1h)	%wt	1.39	SH/T0109 ASTM D1264
Copper corrosion 100 °C, (24 hrs)	-	Pass	GB/T7326 ASTM D130

* Above product properties are indicative and subject to change without prior notice

Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max Grease CS.
- Opt-Max Grease CS must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max Grease CS must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petrochemical product.

Health and Safety

Opt-Max Grease CS is unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max Grease CS Material Safety Data Sheet.