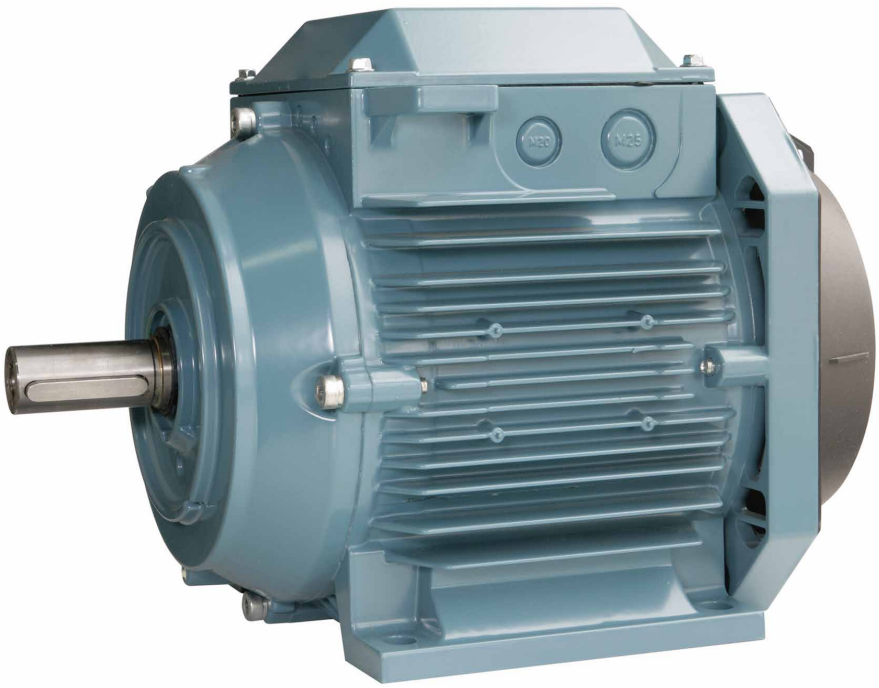
Ωmega®
The Ultimate Lubricant

51

OMEGA 51 Super Electric Motor Grease



Super Electric Motor Grease

TRUST OMEGA TO

Save Money
Enhance Performance
Extend Service Life

- *Absolutely non-conductive – ideal for electric motors & bearings.*
- *Features exceptional shear stability & oxidation resistance.*
- *High penetration ensures outstanding performance.*

ITW PERFORMANCE POLYMERS & FLUIDS®
KOREA

SPECIAL FEATURES

Omega 51 Super Electric Motor Grease is the high-performance lubricant engineered specially for high-speed electric motors and bearings.

- **Omega 51** is absolutely non-conductive – ideal for a wide variety of electric and electronic applications.
- **Omega 51** features an exceptionally high shear strength stability and resistance to oxidation.
- **Omega 51** has a high penetration margin to ensure outstanding and long-lasting performance.

OUTSTANDING PROPERTIES

Omega 51 is the super electric motor grease that:

- Is highly resistant to water and wash-out.
- Provides effective long-lasting lubrication.
- Has a high melting point due to lithium soap content made from selective fatty materials, quality mineral oil and highly effective oxidation, corrosion and rust inhibitors
- Provides greater wear-minimizing efficiency and prolonged protection both in lubrication equipment and bearing surfaces.

USE FOR

Omega 51 provides maximum equipment protection for longer periods because it ensures total surface coverage – even under extreme conditions.

Use **Omega 51** for:

• Ball, Roller and Needle Bearings • High- and Low-Speed Plain Bearings o Conveyers • Cranes • Crushers • Paper Machinery • Pumps Winches • Hammer Mills.

Omega 51 can also be used as a single, multi-purpose grease on construction projects, steel mills and all types of bearings including hand-packed bearings, grease fittings, wheel bearings and many more.

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The information contained in this publication is to the best of our knowledge and accurate at the time of issue in October, 2016

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Omega
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DESCRIPTION:

Omega 51 is a highly versatile grease that is ideally suited for use in all high speed electric motors and bearings, including roller, needle, and practically all other types of bearings.

HIGH-PURITY:

Omega 51 is a premier-purity lubricant and as such, should not be mixed with, or come into contact with ordinary greases. Systems and parts should be thoroughly flushed before using Omega 51.

ADDED ADHESIVENESS:

Omega 51 ensures a surface tenacity that no ordinary lubricant can provide. Omega 51 will stay in position, even under washout conditions, thus ensuring long production runs under cooler and more protective conditions.

SUPPLEMENTS:

Color Coding	Yes
Exceptional Shear Stability	Yes
Extreme Pressure Properties	Yes
Megalite Supplements	Yes
Molybdenum Disulfide	Yes
Oxidation Resistors	Yes
Performance Improvers	Yes
Rust Inhibitors	Yes
Water Resistance Additives	Yes

PREVENTION OF WEAR AND LONGER EQUIPMENT LIFE:

Omega 51 ensures that equipment moving parts are protected and, as a result, the operational lifespan of the equipment is greatly increased, thereby assuring the continued function of the equipment.

LOWER COEFFICIENT OF FRICTION:

Omega 51, due to its lower coefficient of friction, heralds a new era in bearing speed capacity. Omega 51 contains a specially developed gellant that enables formerly limited speed bearings to undertake considerably more efficient and productive speeds in keeping with modern equipment design and construction.

APPLICATIONS:

Omega 51 can be used in any number of different and varied operations: Ball Bearings, Roller Bearings, Needle Bearings, High (and Low) Speed Bearings Conveyors, Cranes, Crushers, Paper Mill Machinery and Equipment, Pumps, Winches, Hammer Mills and many other operations. This lubricant provides maximum equipment protection for longer periods because it ensures total surface coverage, even under extreme conditions.

Omega 51 can be used as a single, multi-purpose grease on construction projects, steel mills and all type of bearings including hand-packed bearings, grease fittings, wheel bearings and many others.

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TYPICAL DATA:

Omega 51 meets and exceeds Ford MIC 75B Specifications.

TEST	ASTM EST METHOD	TEST RESULT
Mineral Oil Base: -		
Viscosity @ 210°F, SUS	D-88	80
Flash Point, COC, °C (°F)	D-92	221(430)
Pour Point, COC, °C (°F)	D-97	-15(5)
Dropping Point, °C (°F)	D-566	176(350)
Worked Penetration @77°F, 150 gm cone	D-217	265-295
Timken OK Load, Ibs. min.	D-2509	45
Rust Prevention	D-1743	#1 rating
Oxidation Stability, Ibs. loss in 100 hrs.	D-942	5.0
Water Washout, % loss after 2 hrs. @ 175°F	D-1264	7.0
Lubricant Stability	-	#1 rating
NLGI Grade	-	#2
Operating Temperature Range °C (°F)	-	-7 to 148 (20 to 300)
Color	-	Moly Grey

The characteristics given above are typical of current production only and slight batch to batch variations should be expected.

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