



AtomLube® Dielectric Grease

PRODUCT DESCRIPTION

AtomLube® Dielectric Grease is the next generation of superior performance lubricant specially designed for electric contact, connectors, switches, and sensors of automotive and trucking applications to provide longer service life. It also applies for a wide range of multipurpose applications (requiring inert grease) including Oil & Gas Field, Agricultural, and General Industrial equipment. It is a premium chemically inert di-electric grease manufactured with high performance base oil, high quality inorganic thickener, and nGlide® leading edge nano-engineered multi-component lubricant additives. Its thickener system provide excellent high temperature performance along with polymers to provide exceptional water washout resistance and wear resistance. More importantly, AtomLube protects electric contacts away from corrosion while attaining a high number of plug and contact cycles. It can be used for fill-for-life applications with providing top safety due to its excellent dielectric strength and outstanding chemical/corrosion resistance.

AtomLube® Dielectric Grease is excellent for electrical components and systems of passenger cars and semi-trucks and can also be applied to other applications requiring dielectric grease. This product is designed to handle operating temperature of -40 °F to +400 °F.

KEY FEATURES AND BENEFITS

AtomLube® Dielectric Grease is a state-of-the-art product designed by our scientists and engineers using specially selected combinational chemistries. The inorganic thickener contributes high temperature stability, excellent adhesion, structural stability and resistance to corrosion and moisture. These properties are complemented by nanoengineered nGlide® super additives to provide exceptional lubrication properties and excellent extreme temperature performance, rust and corrosion resistance, thermal/oxidative resistance and enhanced water resistance properties. Not recommended for moving metal to metal contacts in chassis components and wheel bearings.

Features	Benefits
Excellent Dielectric Strength	Protects electric contacts away from electrical breakdown caused by high temperature and high voltage
Outstanding Oxidation and Corrosion Resistance	Protects electric contacts from harmful effects of water, acidity, and contaminants which can further cause electrical shortage
Superior Water Resistance	Resists harmful dilution and corrosive effects of water while protecting contacts. Keep outside environment away from electric contacts
Extended Application Range	Can be applied to various applications and extended application temperatures from -40 to 400 °F

HOW TO USE

To achieve the best performance of the product, fully purge the competitor grease out before applying appropriate amount of AtomLube® grease to achieve the best performance.



Making atoms work harder and smarter.™

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TYPICAL PROPERTIES

Test Method	AtomLube® Dielectric Grease
NLGI Grade	2
Thickener Type	Inorganic
Color	White
Texture	Smooth & Tacky
ASTM D-2265 Dropping Point, °F	Non-drop
ASTM D-4049 Water Spray-off @ 38 °C	0% removal rate
ASTM D-4048 Copper Corrosion @ 100 °C, 24 hrs	1b
ASTM D-1742 Oil Separation, 24 hrs. @ 25 °C	0.5% max
ASTM D-149 Dielectric Strength, kilovolts/mm (volts/mil)	51 (1290)

HEALTH AND SAFETY

Based on available information, this product is not expected to have adverse effects on health and safety when used for the intended application. Please follow the recommendations provided in the Safety Data Sheet (SDS) for detailed information. SDS is available upon request.

WARRANTY

When properly stored and used in accordance with instructions, any unsatisfactory material will be replaced with any product in our line on a dollar-for-dollar basis, provided the account is paid in full, and VinTech Nano Materials is notified in writing within 12 months of the date of the order by the customer.

NOTE

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