

Silicone Grease



Characteristics

Bardahl Silicone Grease is a versatile silicone-based lubricant that is distinguished by its excellent electrical insulation properties, versatility as a filler, and its superior sliding and lubrication capabilities. With a unique formulation that contains thickened silicone oil, it provides long-lasting lubrication and exceptional resistance to a wide range of chemicals, including acids, ozone, oxygen, water, oil, and other greases. This makes it extremely suitable for applications that are exposed to extreme conditions. The grease can function effectively within a temperature range of -50°C to +200°C, with the ability to withstand temperatures as low as -70°C and +235°C for short periods of time. Importantly, Bardahl Silicone Grease is absolutely non-toxic and has an NSF food certificate (Registration number 127 772 H1), which makes it safe to use in the food industry, as well as in pharmaceutical and cosmetic applications.

NSF Reg. No. 127 772
Category Code: H1

Application

The applications of **Bardahl Silicone Grease** are diverse and include electrical insulation to protect insulators, electrical installations and connections against moisture and conductive substances. It also serves as an effective release agent for plastics, rubber, and in foundry processes. In addition, it improves the sliding properties of threads, slideways, valves, and taps. For optimal application, the surface should first be carefully dedusted, cleaned, and degreased before applying a thin layer of Silicone Grease. For insulation applications, a thicker layer of 2 to 3 mm is recommended. If necessary, the fat may be diluted with aromatic solvents.

Safety Data Sheet (MSDS)

Safety Data Sheets (MSDS) for Bardahl products are available upon request. These documents, which provide detailed safety information about the product, can be accessed through Bardahl's official website. Moreover, you can also obtain it by contacting a representative at Bardahl directly. This ensures that users and processors of Bardahl products have the necessary information on the safe use, handling and storage of these industrial lubricants.

NSF

The NSF certification is a quality brand mark that is recognized worldwide for products used in the food industry, including Bardahl Food Products. This certification is awarded by NSF International, an independent organization that protects public health and safety. An NSF certificate ensures that the product meets strict standards for hygiene, safety, and quality. For food and pharmaceutical manufacturers and processors, the use of NSF-certified products is crucial, as it helps ensure the safety of their manufacturing processes and the final product. This contributes to consumers' confidence in the safety of the foods they consume and supports regulatory compliance. The use of NSF-certified lubricants is an essential step for companies striving for the highest operational standards and quality assurance in their manufacturing processes.

Key Benefits to Consider

Core Product Features of Bardahl Silicone Grease

- ✓ Temperature range: Functional from -50°C to +200°C, with short-term resistance down to -70°C and +235°C.
- ✓ Chemical Resistance: High resistance to chemicals, acids, ozone, oxygen, water, oil, and greases.
- ✓ Non-Toxic: Absolutely safe for use in the food, pharmaceutical and cosmetic industries.
- ✓ Excellent Dielectric Properties: Stable at different temperatures, ideal for electrical insulation.
- ✓ Can be used as a release agent: Effective for plastics, rubber, and in foundry processes.

Certificates & Standards

- ✓ NSF Registration number: 1270772
- ✓ Category code: H1

Category	Test	Method	Unit	Result
Colour:				transparant
NLGI:			Grade	1-2
Density at 20°C			g/ml	1.031
Penetration		ASTM D217		265
Penetration after 24 hrs				250
Crawl at 200°C during 24 hours			%	<0.5
Vaporisation at 200°C during 24 hours			%	3
Diëlektrical			KV/mm	20
Diëlektrical				2.5
Distribution factor				3.10 ³

Content Availability	Unit	Article number	
Cartridge	100 gram	73901	✓
Pail	500 gram	73905	✓
Pail	5 kg	73955	✓
Pail	50 kg	73985	✓

Bardahl – For a world without friction

Bardahl is committed to providing advanced lubrication solutions tailored to your specific needs. With a focus on innovation and technical excellence, we have been serving a wide range of industries worldwide for over eight decades. Our team of experts, driven by a passion for tribology, provides personalized support and advice to ensure the success of our clients in different markets. Leveraging our extensive experience, we develop high-quality lubricants that are designed to meet the changing requirements of our customers.

The document's data is based on Bardahl's extensive experience and is aimed at technically experienced readers and provides insight into potential applications. It is important to note that the document does not guarantee product features, and users must conduct their own preliminary tests for specific applications. The data provided are indicative and depend on the composition, use and application method of the lubricant. Because the performance of lubricants can vary under different mechanical, dynamic, chemical, and thermal conditions, these factors can affect the functionality of components. Bardahl encourages direct contact to discuss specific applications and is open to providing samples for testing. Please note that Bardahl is constantly improving its products and reserves the right to change technical data at any time.