

Food Machinery Grease H1+PTFE



Characteristics

Bardahl Food Machinery Grease H1+PTFE is an advanced lubricant with an NSF registration number of 163427 and falls under category H1, making it specifically suitable for applications within the food industry. This grease contains PTFE (Polytetrafluoroethylene) for exceptional lubricating properties and is formulated from FDA-approved raw materials, in accordance with the requirements of Section 21CFR 178.3570. It offers advantages such as good corrosion protection, odor and tastelessness, non-toxicity, excellent stability and water resistance, and a wide temperature range from -20°C to +200°C. The unique formula with an inorganic thickener and the addition of PTFE ensures continuous lubrication, even under extreme pressure and temperature.

NSF Reg. No. 163 427
Category Code: H1

Application

Bardahl Food Machinery Grease H1+PTFE is ideally suited for a wide range of applications in the food industry, from bearings exposed to high temperatures to various mechanisms, including those of baking ovens. It can be used at all bearing speeds, from low to high, and is particularly suitable for lubricating plastic parts, both in plastic/plastic and plastic/metal contact. The product's versatility and safety make Food Machinery Grease H1+PTFE an essential choice for any business operating within the food industry, prioritizing reliability and compliance with health standards.

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 Food Machinery Grease H1+PTFE

- ✓ PTFE Addition: For improved lubrication under extreme conditions.
- ✓ FDA Approved Raw Materials: Complies with Section 21CFR 178.3570.
- ✓ Corrosion Protection: Provides good protection against corrosion.
- ✓ Temperature resistant: Suitable for temperatures from -20°C to +200°C.
- ✓ Excellent Water Resistance: Thanks to inorganic thickener.

NSF Certified

- ✓ NSF Registration Number: 163427
- ✓ Category Code: H1
- ✓ FDA Approved Raw Materials: Complies with Section 21CFR 178.3570.

Category	Test	Method	Unit	Result
Color		-		Gebroke Wit
Value indicator		-		Aluminium complex
Flashpoint				220°C
Temperature range				-25°C to -140°C
Base Oil		viscosity@40°C		130 Cst
NLGI Grade		-		2
Penetration		ASTM D-217		265/295
Flow pressure				max 1250 mbar
Drop point		ASTM D-566		min. 290°C
4 ball Test -Wear		-		>250kg
Wear diameter		1h/40kg;mm		max. 0.60
EMCOR test		-		0
Copper strip corrosion		24h/100°C		max 1b
Evaporation loss		22h/100°C		max 0.6%
Water resistance		80°C		max 6
Oil separation		7d/40°C		max 6%
Oxidation stability		100°C		max-0.4
Water wash out		80°C		max 6%

Content Availability	Unit	Article number	
Aerosol	500 ml	74605	✓
Small packaging	5 kg	74655	✓
Bulk packaging	18 kg	74682	On request
Bulk packaging	50 kg	74686	On request
Bulk packaging	180 kg	74692	On request

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.