

High Temperature Composite Release Agent , Pltrusion Internal Mold Release Agent

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Lubekote
- Model Number: xxxx
- Minimum Order Quantity: None
- Price: 0-99usd
- Packaging Details: 20L, 200L
- Delivery Time: 10-15 working days
- Payment Terms: T/T
- Supply Ability: 20T/month



Product Specification

- Appearance: Liquid
- Solubility: Soluble In Solvent
- Compatibility: Compatible With Epoxy Resin/carbon Fiber
- Packing: 1 Gal/drum Or As Per Customer's Request
- Diluent: Solvent
- Storage: Store In A Cool And Dry Place
- Classification: Chemical
- Shelf Life: 12 Months
- Highlight: **Composite Release Agent High Temperature, High Temperature Release agent for composite, Pltrusion Process Mold Release Agent**

Product Description

Product Description:

The internal mold release agent is a premium chemical product designed to facilitate the composite processing industry. It is specially formulated to provide an excellent release performance, ensuring that materials such as carbon fiber and other composite materials can be separated from their molds without any complications. This release agent represents a significant advancement in the realm of composite manufacturing, streamlining the production process and improving the quality of the final products.

With a practical shelf life of 12 months, this internal mold release agent offers an enduring solution for manufacturers, reducing the need for frequent reordering and allowing for better inventory management. The product's longevity ensures that production can continue without interruption, providing a reliable and consistent level of quality across multiple manufacturing cycles.

The release agent for composite has been carefully developed to integrate seamlessly into the processing of composite materials. Its unique chemical composition allows it to be mixed directly into the resin system, becoming part of the composite material itself. This integration ensures that the release properties are uniformly distributed throughout the material, providing consistent release performance throughout the entire surface of the mold.

As a release agent for carbon fiber, this product stands out due to its exceptional effectiveness. Carbon fiber composites are known for their strength and lightweight properties, which make them highly desirable in various industries including aerospace, automotive, and sports equipment. However, these same properties can make them challenging to release from molds. Our internal mold release agent addresses this challenge head-on, ensuring a smooth demolding process that preserves the integrity and surface finish of the carbon fiber components.

The slight solvent odor of the internal mold release agent is a testament to its chemical efficacy while still being mindful of the working environment. The odor is not overpowering and is typical of products within the chemical industry, indicating that it contains the necessary solvents to perform its task effectively. Users can expect a product that works efficiently without introducing a strong or unpleasant smell into the production area.

Using this internal mold release agent is straightforward and does not require significant changes to existing production processes. It can be incorporated into standard manufacturing protocols, ensuring that the transition to using this product is smooth and does not disrupt ongoing operations. The versatility and ease of use make it an ideal choice for businesses looking to improve their production efficiency and product quality.

In conclusion, the internal mold release agent is an essential product for anyone involved in the manufacturing of composite materials, particularly carbon fiber composites. Its excellent release performance, integrated application, and practical shelf life make it a valuable asset in any production process. By choosing this internal mold release agent, manufacturers can expect a smooth, efficient, and high-quality demolding experience that will ultimately lead to superior end products and satisfied customers.

Features:

Product Name: Internal Mold Release Agent

Diluent: Solvent

Odor: Slight solvent odor

Compatibility: Compatible with epoxy resin/carbon fiber

Application: Used in composite processing

Appearance: Liquid

Keywords: Internal release agent, High temperature release agent, Release agent for composite

Technical Parameters:

Parameter	Specification
Application	Used In Composite Processing
Classification	Chemical
Odor	Slight/solvent Odor
Packing	1 Gal/drum Or As Per Customer's Request
Release Effect	Excellent Release Performance
Diluent	Solvent
Shelf Life	12 Months
Appearance	Liquid
Solubility	Soluble In solvent
Compatibility	Compatible With Epoxy Resin/carbon Fiber

Applications:

The Lubekote Internal Mold Release Agent, is a premium chemical product engineered to facilitate the molding process in various industrial applications. Originating from China, this release agent boasts a liquid appearance and is designed to offer an exceptional release performance even under high-temperature conditions. It is particularly effective as a high-temperature release agent, ensuring that molds can withstand the rigors of elevated temperatures without compromising the integrity of the molded components.

With a shelf life of 12 months, the Lubekote Internal Mold Release Agent is a reliable choice for manufacturers looking for a long-lasting solution. Its formulation makes it an excellent release agent for epoxy resin, allowing for a smooth and seamless release of components from their molds. This feature is particularly beneficial in industries where epoxy resin is widely used, such as in the production of composite materials, aerospace components, and high-performance automotive parts.

The Lubekote Internal Mold Release Agent is also compatible with carbon fiber, making it an indispensable tool in the manufacture of advanced carbon fiber-reinforced plastics. Its compatibility ensures that it can be used without causing any adverse effects on the carbon fiber materials, maintaining their quality and performance characteristics. This release agent is ideal for scenarios where precision and reliability are paramount, such as in the production of sporting goods, carbon fiber automotive components, and other high-strength, lightweight composite structures.

Application occasions for the Lubekote Internal Mold Release Agent are diverse. It is suitable for use in high-temperature molding processes where a robust high-temperature release agent is required to prevent sticking and facilitate the easy removal of parts. This includes injection molding, compression molding, and resin transfer molding processes. The product's excellent release performance ensures that it can handle the demands of high-volume production environments, where efficiency and minimal downtime are crucial. In summary, the Lubekote Internal Mold Release Agent is a versatile, high-performance product designed for high-temperature applications and is compatible with sensitive materials such as epoxy resin and carbon fiber. Its ease of use and reliability make it a go-to solution for manufacturers across various industries looking to optimize their molding processes and ensure the high quality of their finished products.



Support and Services:

The Internal Mold Release Agent is a specialized product designed to enhance the molding process by providing a seamless release of products from their molds. Our technical support for this product includes a comprehensive guide on proper usage and application techniques to ensure optimal performance and efficiency. We provide detailed instructions on the appropriate mixing ratios, temperature settings, and curing times specific to different materials and molding conditions.

In addition to usage guidance, our services include troubleshooting support to address any issues that may arise during the use of our Internal Mold Release Agent, such as improper release, surface imperfections, or unexpected interactions with other materials. Our team of experts is equipped with the knowledge to help you identify the cause of these problems and advise on corrective measures to prevent recurrence.

We are committed to ensuring that our customers achieve the best results with our products. As part of our technical support services, we offer recommendations for storage and handling to maintain the product's efficacy. We also provide safety data sheets and detailed product information to ensure safe and responsible use of our Internal Mold Release Agent.

Our goal is to empower our customers with the knowledge and support they need to streamline their molding processes and produce high-quality results. We are dedicated to providing responsive and effective technical support services to help our customers succeed with the use of our Internal Mold Release Agent.

Packing and Shipping:

Product Packaging: The Internal Mold Release Agent is packaged securely in high-quality, industrial-grade drums to ensure the product's integrity and stability during transport. Each drum is carefully sealed and labeled with product information, including usage instructions, batch number, and expiration date. The packaging is designed to protect against environmental factors such as moisture and temperature variations, maintaining the efficacy of the release agent until it reaches the end-user.

Shipping: Our Internal Mold Release Agent is shipped following all applicable regulations and safety standards. The product is classified as a non-hazardous material, allowing for standard shipping methods without special handling requirements. However, it is imperative that the product is kept upright and secured during transit to prevent any potential leaks or spills. Upon dispatch, customers will receive a tracking number to monitor the shipment's progress. All necessary documentation, including Safety Data Sheets (SDS) and handling instructions, will accompany the shipment to ensure proper and safe use upon arrival.



Warehousing and logistics



It has nearly 5,000 square meters of cargo storage area. Eight employees work full-time in warehousing.



Technical support



Making adjustment in the field



Shanghai Lorechem has a professional technical service team, whose members are specialized in polymer materials engineering. They have a wealth of field testing.

Testing in the field



Shanghai LoreChem Co., Ltd. was established in 2008. It is a high-tech enterprise which is dedicated to serve releasing products which involve semi-permanent release agent, anti-sticking, surface lubrication and thermal reactive adhesive. Shanghai LoreChem has been improving product quality for 15 years. The releasing products are mainly applied in rubber, polyurethane and composite industry. The brand of Lubekote for release agent and Thinkbond for adhesive have been registered in China. Both of them are well known in the industry.

Shanghai LoreChem's business is all over the domestic and foreign high-end production enterprises by providing professional technical solutions and services. The company's long-term goal is to become one of the best suppliers of release agent in Asia. Shanghai Lorechem Co., Ltd. was established in 2008. It is a high-tech enterprise which is dedicated to serve releasing products which involve semi-permanent release agent, anti-sticking, surface lubrication and thermal reactive adhesive.



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