

High-Performance Water Based Internal Release Agent for Pultrusion & Composite Molding

Our Product Introduction

Basic Information

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



Product Specification

- Shelf Life: 12 Months
- Industry: Composite Industry
- Dosage: 1% To 3%
- Compatibility: Epoxy Resin, Unsaturated Resin, Acrylic Resin
- Product Category: Internal Mold Release Agent
- Highlight: **water based internal release agent,
pultrusion composite molding release agent,
composite molding release agent with warranty**

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Product Description

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Attribute	Value
Shelf Life	12 months
Industry	Composite Industry
Dosage	1% to 3%
Compatibility	Epoxy Resin, Unsaturated resin, Acrylic resin
Product Category	Internal Mold Release Agent

High-Performance Water Based Internal Release Agent for Pultrusion

Product Description

LubeKote 9161 is a highly efficient, silicone-free internal release agent and lubricant specifically formulated for demanding composite manufacturing processes. Designed to integrate directly into resin systems, including polyester, epoxy, phenolic, and acrylic, it eliminates the need for external mold spraying. This innovative product is exceptionally effective as a pultrusion release agent, where continuous production and flawless surface quality are critical. By migrating to the surface during cure, LubeKote 9161 ensures easy, consistent part release while simultaneously enhancing the surface properties of the finished product, making it ready for post-treatment without any additional cleaning or sanding.

Key Features & Advantages

Superior Internal Lubrication: Reduces friction and sticking within the mold, ensuring easy and consistent release of parts, which minimizes downtime and tool wear.

Silicone-Free Formula: Eliminates the risk of surface contamination that can prevent painting, bonding, or secondary coating. This is a critical advantage for parts requiring post-molding decoration or assembly.

Ideal for Pultrusion: Excellently suited for the continuous pultrusion process, providing the reliable lubrication needed for high-volume production of fiber-reinforced profiles.

Enhances Surface Properties: Creates a more water-resistant surface on finished parts, improving their durability and performance in harsh environments.

Simplifies Post-Processing: Allows for immediate painting, foaming, or bonding directly onto the released surface without the need for costly and time-consuming sanding or priming steps.

Ready-to-Use: A convenient liquid formulation that is easily added and mixed directly into the resin system.

Property	Specification
Product Type	Internal Release Agent / Lubricant
Appearance	Clear Liquid
Composition	Silicone-Free, Organic
Density	Approx. 0.9 g/cm ³
Shelf Life	12 months (from date of manufacture)
Primary Applications	Pultrusion, SMC/BMC, Casting for Polyester, Epoxy, Phenolic, Acrylic resins

Frequently Asked Questions (FAQ)

Q: How is LubeKote 9161 applied?

A: As an internal release agent, it is added directly to the resin mixture prior to molding or pultrusion. It is a ready-to-use liquid that requires careful and thorough mixing to ensure uniform distribution for consistent results.

Q: What is the typical dosage for LubeKote 9161?

A: The optimal dosage depends on the specific resin system and processing conditions. It is typically used between 0.5% and 1.5% by weight of the resin solids. We recommend starting at a lower dosage and conducting trials to determine the perfect level for your application.

Q: Why is being silicone-free important for a release agent?

A: Silicone-based release agents often leave a residue that creates a barrier on the part surface, preventing adhesion. This makes subsequent operations like painting or bonding difficult and unreliable. LubeKote 9161's silicone-free formula guarantees a clean surface ready for further processing.

Q: Is this product specifically good for pultrusion?

A: Yes, it is especially suitable for pultrusion. Its excellent lubricity reduces pulling forces, prevents sticking in the die, and ensures a smooth, continuous production run, which is essential for manufacturing high-quality pultruded profiles.

Q: What are the storage and handling precautions?

A: Store in a tightly sealed container at room temperature. Avoid prolonged skin contact with the concentrated product. In case of eye contact, rinse immediately with plenty of water. Always refer to the Safety Data Sheet (SDS) for comprehensive handling instructions.





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