

Non-Transfer High-Temperature Water-Based Mold Release Agent Lubekote 9440A for Silicone Fluorine Rubber

Our Product Introduction

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Basic Information

- Place of Origin: Shanghai, China
- Brand Name: Lubekote
- Certification: ISO 9001:2015
- Model Number: 9440A
- Minimum Order Quantity: 20 kg
- Price: USD 12-23 / kg
- Packaging Details: 25L/barrel, 200L/drum, or customized packaging available
- Delivery Time: 7-15 working days
- Payment Terms: T/T
- Supply Ability: 5000 kg per month



Product Specification

- Application: Silicone Rubber (VMQ), Fluorosilicone (FVMQ), Fluoroelastomer (FKM) Molding, High-temperature Applications
- Dispersing Medium: Water-based
- Coating Type: Semi-permanent
- Appearance: White Emulsion
- Odor: Slight, Non-irritating
- Temperature Resistance: Up To 250°C Continuous
- Transfer Property: Non-transfer Formula
- Abrasion Resistance: Excellent
- Dilution Ratio: 20-40:1 With Deionized Water
- Shelf Life: 12 Months In Sealed Container At 5-35°C
- Highlight: **non-transfer mold release agent, high-temperature rubber coating, silicone fluorine demolding solution**

Product Description

Non-Transfer High-Temperature Water-Based Mold Release Agent Lubekote 9440A for Silicone Fluorine Rubber

Lubekote 9440A is an advanced water-based semi-permanent mold release agent specifically engineered for the most demanding silicone and fluorine rubber molding applications where high temperatures, aggressive chemical environments, and strict non-transfer requirements converge. This premium formulation features a unique non-transfer polymer system that creates an exceptionally durable, chemically resistant release barrier on mold surfaces while absolutely preventing any migration of release agent residues to molded part surfaces. This characteristic is critical for high-value silicone and fluorine rubber components used in aerospace, medical, semiconductor, and food processing applications where even trace levels of surface contamination are unacceptable and can lead to part rejection, functional failure, or regulatory non-compliance.

The high-temperature stability of Lubekote 9440A sets it apart from conventional water-based release agents that typically degrade or lose effectiveness at elevated mold temperatures. With proven performance at continuous mold surface temperatures up to 250°C, this product maintains its release integrity in the extreme thermal environments characteristic of fluorosilicone (FVMQ) and fluoroelastomer (FKM) processing. The exceptional abrasion resistance of the cured release film ensures consistent performance even in molding applications involving abrasive filler compounds or high-pressure injection processes, delivering the reliability that manufacturers of critical-performance elastomer components demand from their process consumables.

Key Features

- **Non-Transfer Guaranteed Formula:** The advanced crosslinking polymer system creates an impenetrable release barrier that absolutely prevents migration of release agent residues to molded part surfaces, essential for contamination-sensitive applications in medical, aerospace, and semiconductor industries.
- **High-Temperature Stability Up to 250°C:** Maintains full release performance and coating integrity at continuous mold surface temperatures that cause conventional water-based release agents to degrade, blister, or lose effectiveness.
- **Excellent Abrasion Resistance:** The cured release film resists mechanical wear from abrasive filler compounds and high-pressure injection molding processes, delivering consistent multi-cycle performance without coating breakdown or localized release failure.
- **Water-Based Environmentally Friendly:** Solvent-free formulation eliminates the risk of solvent-induced swelling or degradation of sensitive silicone and fluorine rubber compounds while providing a safer, cleaner production environment.
- **Superior Surface Finish Quality:** Delivers an exceptionally smooth, defect-free surface on molded silicone and fluorine rubber parts that meets the stringent aesthetic and functional requirements of high-value application sectors.
- **Extended Mold Cleaning Intervals:** The non-stick, chemically resistant coating prevents mold fouling and residue accumulation, dramatically extending the time between mandatory mold cleaning and maintenance shutdowns.
- **Broad High-Performance Elastomer Compatibility:** Proven effectiveness across silicone rubber (VMQ), fluorosilicone rubber (FVMQ), fluoroelastomer (FKM), perfluoroelastomer (FFKM), and hydrogenated nitrile rubber (HNBR) compounds.

Technical Specifications

Parameter	Specification
Product Code	Lubekote 9440A
Classification	Chemical mold release agent
Dispersing Medium	Deionized water
Appearance	White emulsion
Odor	Slight, non-irritating
pH Value	6.5 - 7.5
Specific Gravity	0.98 - 1.03 g/cm ³
Maximum Continuous Temperature	250°C
Recommended Dilution Ratio	20:1 to 40:1 (release agent : deionized water)
Shelf Life	12 months in original sealed container at 5-35°C

Applications

Lubekote 9440A is the definitive release agent solution for manufacturers producing high-performance elastomer components where process temperatures, chemical resistance requirements, and surface contamination concerns demand an uncompromising approach to mold release technology. Key application areas include aerospace fuel system seals, O-rings, and gaskets manufactured from fluorosilicone (FVMQ) and fluoroelastomer (FKM) compounds, medical device components including implantable-grade silicone rubber parts, pharmaceutical stoppers and seals, semiconductor manufacturing equipment seals and wafer handling components requiring ultra-clean surface conditions, food and beverage processing grade silicone gaskets and membranes, oil and gas downhole sealing elements manufactured from HNBR and FKM

compounds, and automotive turbocharger and exhaust system seals operating in extreme thermal and chemical environments. Compatible with compression, transfer, and injection molding processes using both metal and non-metal mold materials.

Packaging & Quality Assurance

Lubekote 9440A is supplied in standard 25L/barrel and 200L/drum packaging configurations, with customized packaging solutions available for specialized production requirements. Rigorous quality control protocols applied to every production batch include multi-cycle release performance testing on VMQ, FVMQ, and FKM standard compounds at elevated temperatures, non-transfer verification using surface-sensitive analytical techniques, coating abrasion resistance evaluation under controlled wear conditions, and thermal stability validation through extended-duration high-temperature exposure testing. Manufactured in an ISO 9001:2015 certified facility, each batch of Lubekote 9440A delivers the consistent performance that manufacturers of mission-critical elastomer components depend on. Shanghai LoreChem Co., Ltd. provides comprehensive technical support including mold surface preparation consultation, application process optimization for specific mold geometries and rubber compounds, and ongoing performance monitoring services.



Shanghai Lorechem Company Limited



15901891635



export@lorechem.com



shlorechem.com

Floor 2-3, Building 20, Hongxing International Plaza, Lane 1818, Lianhang Road, Pujiang, Shanghai