

Water-Based Semi-Permanent Anti-Vibration Rubber Mold Release Agent for Automotive Parts

Our Product Introduction

Basic Information

- Place of Origin: Shanghai, China
- Brand Name: Lubekote
- Certification: ISO 9001:2015
- Model Number: 9421A/9140
- Minimum Order Quantity: 20 kg
- Price: Negotiable
- Packaging Details: 20kg/barrel, 200kg/drum, or customized packaging available
- Delivery Time: 7-15 working days
- Payment Terms: T/T
- Supply Ability: 5000 kg per month



Product Specification

- Application: Anti-vibration Rubber Parts, Automotive Bushings, Engine Mounts
- Dispersing Medium: Water-based
- Coating Type: Semi-permanent
- Appearance: White Emulsion
- Odor: Slight
- Dilution Ratio: 20-40:1 With Deionized Water
- Curing Requirement: No Curing Time Required
- Transfer Resistance: Non-transferring To Molded Surfaces
- Durability: Multiple Releases Per Application
- Shelf Life: 12 Months In Sealed Container
- Highlight: **semi-permanent mold release coating, water-based anti-vibration release agent, eco-friendly rubber demolding solution**

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Product Description

Water-Based Semi-Permanent Anti-Vibration Rubber Mold Release Agent Lubekote 9421A/9140 for Automotive Parts

Lubekote 9421A/9140 is a premium water-based semi-permanent mold release agent specifically formulated for anti-vibration rubber components used in automotive and industrial applications. Engineered with advanced polymer dispersion technology, this release agent forms a durable, micro-thin coating on mold surfaces that delivers consistent, high-performance demolding across multiple production cycles. Unlike traditional release agents that rely on wax, stearic acid, or silicone oil, Lubekote 9421A/9140 provides a clean, non-transferring release that preserves the dimensional accuracy and surface quality of molded anti-vibration parts such as engine mounts, suspension bushings, and vibration dampers.

As an environmentally responsible solution, the water-based formulation eliminates the need for hazardous solvents commonly found in conventional mold release products. This not only reduces VOC emissions in your production environment but also simplifies workplace safety compliance and waste disposal procedures.

Key Features

Semi-Permanent Mold Release Coating: Forms a durable, chemically bonded film on mold surfaces that withstands multiple demolding cycles without reapplication, dramatically reducing production downtime and operator intervention.

Water-Based Eco-Friendly Formula: Free from hazardous organic solvents, silicone oil, wax, and stearic acid. Low VOC emissions make it compliant with stringent environmental regulations and improve workplace air quality.

Non-Transferring Clean Finish: Does not migrate to molded part surfaces, preserving the integrity of subsequent processes such as bonding, painting, printing, and coating without additional cleaning steps.

Excellent Durability and Release Performance: Delivers consistent, effortless demolding even for complex anti-vibration part geometries with deep cavities and intricate surface details, reducing scrap rates and mold wear.

Extended Mold Cleaning Cycle: Maintains mold surface cleanliness over prolonged production runs, minimizing the accumulation of rubber residues and extending the intervals between mandatory mold maintenance shutdowns.

Cost-Effective Operation: High dilution ratio of 20-40:1 with deionized water combined with multi-cycle durability significantly reduces per-unit release agent cost compared to conventional single-use alternatives.

No Curing Time Required: Ready for immediate use after application, eliminating the productivity bottlenecks associated with thermal or UV curing processes required by some competing release technologies.

Technical Specifications

Parameter	Specification
Product Series	Lubekote 9421A / 9140
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 - 1.02 g/cm ³
Recommended Dilution Ratio	20:1 to 40:1 (release agent : deionized water)
Application Temperature	Mold surface above 100°C recommended
Shelf Life	12 months in original sealed container at 5-35°C

Applications

Lubekote 9421A/9140 is engineered for the demanding requirements of anti-vibration rubber component manufacturing. It performs exceptionally well with natural rubber (NR), styrene-butadiene rubber (SBR), nitrile rubber (NBR), and ethylene propylene diene monomer (EPDM) compounds.

Primary application areas include automotive engine mounts and torque struts, suspension bushings and control arm isolators, exhaust system hangers and vibration dampers, industrial machinery vibration isolation pads, railway and marine anti-vibration mounts, and general molded rubber parts requiring clean, residue-free release.

The water-based formulation is compatible with both metal and non-metal mold surfaces including steel, aluminum, and epoxy composite tooling.

Packaging & Quality Assurance

Lubekote 9421A/9140 is available in standard packaging options of 20kg/barrel and 200kg/drum, with customized packaging solutions available upon request to meet specific production line requirements.

Each batch undergoes rigorous quality control testing including viscosity measurement, pH verification, coating adhesion testing, and multi-cycle release performance evaluation on standard rubber compounds. Our ISO 9001:2015 certified manufacturing facility ensures batch-to-batch consistency and reliable performance.

Technical data sheets (TDS) and material safety data sheets (MSDS) are available upon request. Shanghai LoreChem Co., Ltd. provides comprehensive after-sales technical support including on-site application optimization and mold preparation consultation to help customers achieve maximum productivity gains.



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