

Rubber Hose Belt Production Solvent-Based Mold Release Agent High Durability Cycle Formula

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Lubekote
- Certification: ISO 9001:2015, RoHS, REACH
- Model Number: LK-9026-HB
- Minimum Order Quantity: 20 Liters
- Price: USD 12-20 / Liter
- Packaging Details: 20L HDPE drum, 200L steel drum, export palletized packaging
- Delivery Time: 5-7 working days for stock, 15-20 days for production
- Payment Terms: T/T, L/C, PayPal, Western Union
- Supply Ability: 40000 Liters per Month



Product Specification

- Product Type: Solvent-Based Mold Release Agent
- Target Rubber: NBR, CR, EPDM, SBR
- Application: Rubber Hoses, Belts, Mandrel-Based Production
- Dilution: Ready-to-Use (RTU)
- Release Cycles: 10+ Cycles
- Appearance: Clear Amber Liquid
- Specific Gravity: 0.80-0.85 G/cm³
- Flash Point: >40°C
- Shelf Life: 12 Months
- Highlight: **Rubber hose belt mold release agent, Solvent-based mold release agent, High durability cycle release formula**

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Solvent-Based Mold Release Agent for Rubber Hose and Belt Production

Product Introduction

Lubekote LK-9026-HB is a robust solvent-based mold release agent engineered for the demanding continuous production environments of rubber hose and belt manufacturing. The production of rubber hoses and belts—whether automotive radiator hoses, industrial hydraulic hoses, conveyor belts, or timing belts—involves unique processing challenges. Mandrel-based hose manufacturing requires reliable release from long cylindrical mandrels, while belt press production demands consistent release across large flat surfaces under high pressure. LK-9026-HB employs a specialized solid activator dispersion in an optimized solvent carrier system, providing a durable lubricating release film that withstands the extended contact times, high pressures, and wide temperature ranges characteristic of hose and belt manufacturing. The ready-to-use formulation eliminates mixing errors and ensures consistent performance across production shifts.

Key Features & Benefits

10+ Cycle Durability: The robust release film maintains effectiveness through 10 or more mandrel extraction or belt demolding cycles, significantly reducing application frequency and increasing production line uptime in continuous manufacturing environments.

Lubricating Release Action: Combines release and lubrication functions in a single product, reducing friction during mandrel extraction for long rubber hoses and facilitating smooth belt separation from press platens.

Mandrel Protection: The film provides a protective barrier on mandrel surfaces, reducing corrosive attack from rubber compound additives and extending mandrel service life—a significant cost factor in hose manufacturing.

Multi-Rubber Compatibility: Effective with NBR, CR (Neoprene), EPDM, and SBR compounds commonly used in hose and belt production, simplifying chemical management across product lines.

Ready-to-Use Convenience: Supplied as a ready-to-use (RTU) formulation requiring no dilution, eliminating mixing errors, reducing labor, and ensuring consistent batch-to-batch release performance.

Rapid Drying: The optimized solvent blend flashes off quickly on hot mandrels and molds, minimizing production cycle interruption and enabling continuous operation.

Why Choose Us

Drawing on 12+ years of rubber processing auxiliaries expertise, we understand the harsh realities of continuous hose and belt production environments. Our formulations are developed through close collaboration with major hose and belt manufacturers, incorporating real-world production feedback into product design. With 10 patents in release agent technology and ISO 9001:2015 certified manufacturing, we deliver consistent quality batch after batch. Our technical service team includes engineers with hands-on hose and belt production experience who can provide practical application guidance, troubleshoot production issues, and recommend optimal application methods and frequencies. We offer custom dilution and packaging options for high-volume hose and belt manufacturers, including bulk tanker delivery for plants consuming over 10,000 liters per month. Free production trial support includes on-site technical assistance during initial implementation.

Technical Parameters

Parameter	Specification
Product Type	Solvent-Based Mold Release Agent
Target Rubber	NBR, CR, EPDM, SBR
Application	Rubber Hoses, Belts, Mandrel Demolding
Dilution	Ready-to-Use (No Dilution Required)
Release Cycles per Application	10+ Cycles
Appearance	Clear Amber Liquid
Specific Gravity	0.80-0.85 g/cm ³
Flash Point	>40°C
Shelf Life	12 Months (Unopened)

Application Instructions

Surface Preparation: Clean mandrels or belt press platens with industrial solvent degreaser to remove rubber residues, carbon deposits, and old release agent. For heavily fouled surfaces, use mechanical cleaning followed by solvent wipe.

Application to Mandrels: Apply a uniform thin coat to the entire mandrel surface using spray, brush, or dip application. For continuous hose lines, implement automated spray application with controlled deposition rate.

Application to Belt Presses: Spray apply to hot press platens (150-180°C) using air spray system. Ensure even coverage across the entire platen surface area.

Cycle Management: Apply touch-up coat when release force increases. Full reapplication is typically needed after 10-15 cycles for mandrels and 8-12 cycles for belt presses, depending on compound formulation and processing conditions.

Frequently Asked Questions (FAQ)

Q: Can LK-9026-HB be used with fuel and oil resistant hoses?

A: Yes, it is specifically effective with NBR and CR compounds used in fuel, oil, and chemical-resistant hose applications. The release film is resistant to plasticizer migration from oil-resistant compounds.

Q: Does it affect hose lining smoothness or belt surface quality?

A: No. The release film stays on the mandrel or press platen surface and does not transfer to the rubber. Finished hoses maintain smooth internal bore surfaces and belts maintain specified surface characteristics.

Q: What is the recommended application method for long mandrels (>3 meters)?

A: For long mandrels, we recommend automated spray application with a traversing spray head synchronized to mandrel rotation speed. Our technical team can provide detailed automation specifications and setup guidance.

Q: Is this product suitable for braided hose manufacturing?

A: Yes, LK-9026-HB is suitable for both braided and spiral-wound hose manufacturing processes. The release film is compatible with the higher extraction forces typical of braided hose construction.

