# KNITTING OIL M

**REXOIL KNITTING OIL M** is a high-quality water-emulsifiable textile lubricant specially developed for the lubrication of high-speed knitting machines used in textile manufacturing. Its balanced formulation provides effective lubrication and wear protection for needles, sinkers, cams and other moving machine components, helping to reduce friction, wear and heat generation during operation. The product forms a stable lubricating film on metal surfaces while maintaining good emulsification characteristics with water. Its water-emulsifiable formulation allows the lubricant to be readily removed from textile materials during subsequent aqueous washing processes, helping minimize oil-related staining and supporting efficient textile finishing operations.

**REXOIL KNITTING OIL M** is recommended for the lubrication of circular, flat and warp knitting machines used in textile manufacturing. It is suitable for needles, sinkers, cams, cam tracks, needle beds and other precision moving components operating at high speeds. The product provides reliable lubrication during continuous machine operation and is particularly suitable for textile applications where the lubricant must be effectively removed from knitted fabrics during subsequent washing and finishing processes.

## *Features and Benefits*

- **Water-Emulsifiable Formulation:** Easily emulsifies with water and can be effectively removed during subsequent washing processes.
- **Effective Lubrication:** Provides reliable lubrication of needles, sinkers, cams and other moving components.
- **Good Anti-Wear Protection:** Helps reduce wear on critical machine components and supports longer component life.
- **Good Lubricating Film:** Forms a stable lubricating film that helps reduce friction during high-speed operation.
- **Reduced Friction and Heat:** Helps minimize friction and heat generation during continuous machine operation.
- **Good Emulsification Properties:** Provides consistent emulsification behavior during textile washing and finishing processes.
- **Low Foaming Tendency:** Supports stable operation in high-speed knitting applications.
- **Rust and Corrosion Protection:** Helps protect metal machine components against rust and corrosion.
- **Good Oxidation Stability:** Provides reliable performance under normal operating conditions.
- **Reduced Staining Tendency:** Helps minimize oil-related staining on knitted fabrics.
- **Easy Removal from Textiles:** Facilitates the removal of lubricant residues during aqueous washing processes.

## *Technical Specifications*

| Test | Method | Typical Properties |
|---|---|---|
| **Emulsion Appearance** | Visual | Milky, Homogeneous |
| **Kinematic Viscosity (40°C), [cSt]** | ASTM D445 | 29,0 – 38,0 |
| **Viscosity Index** | ASTM D2270 | Min. 90 |
| **Flash Point, °C** | ASTM D92 | Min.200 |
| **Pour Point, °C** | ASTM D97 | Max. -12 |

## *Health and Safety*

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

## *Storage & Handling*

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

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