# WALZOEL BM 71/W27

Mobil Industrial , Germany

Rolling Oils

## Product Description

Walzoel W-27 is a fully formulated aluminium rolling oil based on a high quality mineral oil cut with specially selected non staining additives, which permit required lubrication characteristics to be obtained.

Walzoel BM 71 is a copper and copper alloys rolling oil that consists of high quality base oils and carefully selected additives to enhance lubricity and oxidation stability.

## Features and Benefits

Walzoel W-27:

- Meets US FDA Regulation 21 CFR 178.3910, Surface Lubricants Used in Manufacture of Metallic Articles
- Clean annealing properties reduce potential for production rejections.
- Compliance with FDA regulation allows use in production of food packaging material.
- Extremely low aromatics content and low odor makes the roll oil acceptable to workers and the environment.
- Reduced evaporation due to the extremely narrow boiling range of the base oil.

Walzoel BM 71:

- Excellent filterability characteristics in filter systems using active and/or inactive earth. Additive depletion is low in systems, where only inactive earth is used. Enhanced filterability allows clean rolling oil in service.
- No sulphur-containing additives.
- Very low additive depletion rate.

## Applications

Walzoel W-27:

Walzoel W-27 is particularly suited for rolling aluminum sheet and strip. It provides clean annealing without the need of degreasing beforehand. The additives used in Walzoel W27 provide good reduction capability for aluminum alloys. For additive top-up the corresponding additive package Wyrol 8 is available.

Walzoel BM 71:

Walzoel BM 71 is particular suited for rolling of copper and copper alloys on four-high and six-high mills where roll bearings are not lubricated by the rolling oil. The low viscosity provides excellent cooling properties. The very good oxidation resistance and the absence of acidic components prevent the formation of dissolved copper soaps.

## Properties and Specifications

| Property | W-27 | BM 71 |
|---|---|---|
| Appearance, AMS 1738 | Clear and Bright | Clear and Bright |
| Density @ 15 C, kg/m3, ASTM D4052 | 817.5 | 849.5 |

| Property | W-27 | BM 71 |
|---|---|---|
| Kinematic Viscosity @ 20 C, mm2/s, ASTM D445 | 3 | |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | | 7.2 |
| Neutralization Number, mgKOH/g, ASTM D974 | <0.05 | <0.1 |
| Pour Point, °C, ASTM D97 | <-3 | <-18 |

### Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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