



# Valona MQL 5035

## DESCRIPTION

Chlorine free neat cutting oil dedicated for minimum quantity lubrication.

## APPLICATIONS

- **VALONA MQL 5035** is intended to be used in minimum quantity lubrication for heavy duty or very heavy-duty machining.
- **VALONA MQL 5035** is especially suitable for machining hard, ultra-hard and stainless steels, titanium alloys (for aviation and medical applications) and tantalum (medical and armament). It can also be used for cutting nonferrous metals (aluminum and brass).
- **VALONA MQL 5035** is particularly suitable on cutting operations like turning, milling, tapping, drilling, threading, reaming, and sawing.

## ADVANTAGES

- **VALONA MQL 5035** possesses excellent lubricating power combined with extreme-pressure properties to deliver high performance in very small quantity.
- **VALONA MQL 5035** is a product specially formulated for MQL with a specific additivity to obtain:
  - Excellent high performances in machining.
  - Very good surface finishes and geometrical characteristics.
  - Increased tool life and prevention of build-up edges.
  - Reduced frequency of tool sharpening and tool replacement.
  - Excellent anti-mist behavior.
- **VALONA MQL 5035** allows:
  - To reduce the quantity of lubricant.
  - Higher productivity and lower production cost.
  - Better metal chip value.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at [ms-sds.totalenergies.com](https://ms-sds.totalenergies.com)

## TECHNICAL DATA SHEET

V.01/2024

Valona MQL 5035



## TYPICAL CHARACTERISTICS

| Typical characteristics       | Methods     | Units              | Valona MQL 5035 |
|-------------------------------|-------------|--------------------|-----------------|
| Appearance                    |             | -                  | Clear liquid    |
| Color                         | ASTM D 1500 | 1 to 8             | < 1             |
| Odor                          |             |                    | without         |
| Density at 15°C               | ISO 3675    | kg/m <sup>3</sup>  | 848             |
| Kinematic viscosity at 40°C   | ISO 3104    | mm <sup>2</sup> /s | 35              |
| Flash point (open cup)        | ISO 2592    | °C                 | 248             |
| Copper corrosion 3 h at 100°C | ISO 2160    | rating             | 1a              |

Above characteristics are average values given as an indication.

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**TotalEnergies Lubrifiants**

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