

Eni aquamet LMX - 1026

Eni aquamet LMX - 1026 is a water-emulsifiable metalworking fluid concentrate designed specifically for machining aluminum, as well as for general to heavy-duty machining of alloyed and unalloyed steels and cast iron. **Eni aquamet LMX - 1026** is completely free from hazard classification and is recommended for users with known skin sensitivities.

Innovative additive technology ensures outstanding machining performance and exceptionally long emulsion service life across a wide range of applications. Specially selected additives guarantee consistently high performance in both soft and hard water.

Physical properties (typical values):

Eni aquamet LMX - 1026	Value	Unit	Test procedure
Total oil content	28	%	
Viscosity (20°C)	293	mm ² /s	DIN 51 562
pH-value (5%)	9,2	-	DIN 51 369
Corrosion test (4%)	0-0	corr.- grade	DIN 51 360 T.2

Quality features:

- Boron-free, amine-containing metalworking fluid
- Free from formaldehyde-releasing agents
- Polar lubricity enhancers enable efficient aluminum machining
- Stable emulsions with make-up water hardness from 5 °dH to 30 °dH
- Hard-water stable in use up to approx. 100 °dH
- Low-foaming emulsion in the recommended make-up water range
- Excellent cooling and flushing performance
- Very good technical stability, resulting in long emulsion life and reliable corrosion protection properties

Possible uses:

Eni aquamet LMX-1026 is suitable for general to heavy-duty machining operations such as turning, milling, and drilling.

Thanks to its new additive technology and excellent lubricating components, it can be used for machining aluminum, unalloyed steels, and cast iron.

Recommended in-use concentration depending on application and materials:

- General machining from: 5,0%
- Heavy machining from: 10%
- Refractometer factor: 1,1

Minimum shelf life / storage conditions:

24 months at a temperature of 5 °C to 40 °C in a closed container.

In order to maintain the functionality of the metal working fluid, frost-free storage is necessary.

Notice:

The product complies with the requirements of TRGS 611, Section 4.

For application, please observe the applicable guidelines VDI 3035 and VDI 3397 (Parts 1–3), as well as the specifications of TRGS 611, Section 5.

When preparing the emulsion, always add the concentrate to the pre-filled make-up water. A more homogeneous emulsion can be achieved by using appropriate mixing equipment.