

Mabanol Grind 10 G HP

Non-water-miscible cooling lubricant for grinding

Application

Mabanol Grind 10 G HP is a chlorine-free, mineral oil-based, non-water-miscible cooling lubricant with a very high flash point that is used undiluted for grinding and general machining processes on alloyed and non-alloyed steels, cast iron and aluminum. Due to the combination of selected additives, the product is ideal for high-speed grinding operations with metal-bonded CBN discs or corundum discs, such as full profile and gear grinding.

The cooling lubricant is free of aromatics and is based on high-quality GTL base oils, EP additives and lubricating components that ensure excellent surface quality and low tool wear.

Mabanol Grind 10 G HP is used undiluted.

Properties

Mabanol Grind 10 G HP contains specially chosen additives to improve surface finish as well as wear protection and thereby increases tool life, ensuring excellent corrosion protection, preventing oxidation and ageing. The machined workpieces can be easily coated after grinding.

Remarks

Minor variations in color and appearance are possible due to the raw materials chosen. However, these have no influence on the functionality of the product.

Cleaning / degreasing

We recommend using industrial cleaners from our Mabanol Clean range to clean the workpieces from the remaining grinding oil residues.

Data

	Unit	Value
Density at 15°C	g/cm ³	0,820
Kin. Viscosity at 40°C	mm ² /s	10
Flash point (COC)	°C	185
Copper corrosion (3h/100°C)		1b (slight tarnish)

Shelf life / storage conditions

Stable for 24 months when stored at a temperature of 5 °C to 40 °C in unopened containers

The above values may vary within the commercial limits.
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