

Mabanol Spindle Oil

Spindle oil for bearing lubrication in high-speed spindles

Application

The products of the Mabanol Spindle Oil series are low-viscosity, ash-free lubricating oils that have been specially developed for lubricating high-speed spindles (e.g. in machine tools and textile machines) to maintain the required precision.

In addition, the use of Mabanol Spindle Oil in the area of low-pressure hydraulics (e.g. clamping, straightening and bending tools, hydraulic control units) and circulating systems is recommended, provided that the appropriate viscosity is selected.

Properties

The products are characterized by pronounced protection against corrosion and oxidation as well as good foaming behavior. They are thermally stable and have excellent air release properties. The balanced product properties ensure trouble-free and low-wear machine operation.

The requirements set out in DIN 51 524 Part 1 and ISO 11 158 for low-temperature flow behavior, corrosion and oxidation protection and air release properties are far exceeded.

Standards / Specifications

- HL acc. DIN 51 524 Part 1
- HL acc. ISO 11 158

Data

Viscosity Classification

	Test method	Unit	5	10	22
Density at 15°C	DIN 51 757	g/cm ³	0,84	0,854	0,868
Viscosity at 40°C	DIN EN ISO 3104	mm ² /s	4,97	10,1	22,2
Viscosity at 100°C	DIN EN ISO 3104	mm ² /s	1,69	2,63	4,26
Flash point COC	DIN ISO 2592	°C	137	194	210
Pourpoint	DIN ISO 3016	°C	-42	-33	-27

Updated in January 2023

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1983