

## Product Information

### IonoPlus IME-ZK

**Fully synthetic universal-high-performance dielectric with satellite electrodes**

In contrast to conventional mineral oil raffinates in our IonoPlus IME-ZK is a combination of high-purity synthetic products enriched by a special blending process with satellite electrodes, which have an positive effect during the spark erosion process.

#### Benefits:

- Improvement of the wear performance by shortening of the time needed to build up the ionozation bridge.
- Greater resistance to electrode wear. Macromolecules surround the electrode like a protective grid.
- Improved surface quality. Satellite electrodes bring about an optimal distribution of discharges, so there are shining results in the polishing process. Within a minimum amount of time a surface roughness of less than 0,1 µ can be achieved.
- Best possible dispersing capacity. Swift dispersion of waste particles helps actively to prevent burn spots from forming.

IonoPlus IME-ZK is suited as a truly universal dielectric for all operations from the finest finishing processes to the most effective rough cut. Besides having the best possible effectiveness in flushing and the greatest possible disruptive strength. Due to its very low aromatic content of 0,002 weight % this product meets or exceeds the latest workplace safety regulations, even when heating the product. Toxic or allergic reactions on the human skin or on the eyes have not been observed.

IonoPlus IME-ZK can be filtered with paper-band filters and precoated filter systems. Due to its low viscosity it is also very well suitable for the use in spark erosion machines with small spark gaps.

#### Technical facts:

Density at +15 °C [g/cm <sup>3</sup> ]	0,79	ASTM D 7042
Kin. viscosity at +20 °C [mm <sup>2</sup> /s]	3,0	ASTM D 7042
Flashpoint [°C]	82	DIN EN ISO 2719
Danger class (VbF)	A III	

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