

## ISOGRIND 688

*Synthetic, biostable, high-performance grinding oil*

ISOGRIND 688 is a synthetic, water-soluble grinding concentrate which could be diluted with water to form wide range concentration.

ISOGRIND 688 is fully synthetic, and is free from mineral oil, chlorine and nitrite. ISOGRIND 688 should be used in water with hardness under 350 ppm..

ISOGRIND 688 contains several additives to achieve high grinding performance and good rinsing effect. This guarantees fast and continuous emission of heat from the work piece in order to achieve maximum accuracy to size and high surface quality.

Due to their high biostability ISOGRIND 688 solutions provide long service life, long – term pH-stability, good corrosion protection while requiring only little maintenance.

ISOGRIND 688 solutions has good lubricity, which are suitable for grinding operations on steel, cast iron and ferrous metals.

### **Chemical and physical properties:**

Appearance	visual	slightly yellow
Specific gravity/20°C	DIN51757 g/cm <sup>3</sup>	: 1.060
pH – value (1:20)	DIN51369	:9.8
Rust corrosion(1:20)	DIN51360/2	: 0

### **Application:**

ISOGRIND 688 solutions can be used on individual machines as well as on central coolant systems. ISOGRIND 688 is mainly used for surface grinding.

The recommended concentrate to water ratio:

Light duty cutting and grinding      4% - 7%

Page 1/2

Medium duty cutting	7% - 10%
Heavy duty cutting	10% - 15%

How to check concentration:

The concentration of the solutions can easily be determined by means of the PETROFER hand refractometer and the factor of hand refractometer is 2.1。

**Packing:** Steel Drum (208 Liter)  
Storage temperature: 5 °C -40 °C, indoor storage.

Only valid in combination with EC-Safety-Data-Sheet.

**Warranty**

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of PETROFER-products are not to be constructed as recommending the infringement of any patent.

Page 2/2