

Product information

SintoGrind SI

High-performance grinding fluid for glass and technical ceramics

SintoGrind SI is a fully synthetic high-tech product, made by Poly-Alpha-Olefins. It was developed for grinding of glass and technical ceramics.

In comparison to conventional grinding oils it provides the following advantages:

- Absolute shearing resistance
- Extreme ageing stability
- Best possible viscosity temperature relationship
- Extremely thin
- Least possible vaporization tendency
- High flash point
- Will not corrode laquer or elastomers
- Physiologically safe
- Free of aromates, chlorine and heavy metals

Using SintoGrind SI guarantees:

- Great capacity for pressure absorption
- Highest possible flushing and cooling ability
- Foam-inhibited
- Free and handy grinding wheels
- Very little oil mist
- Reduction of normal force
- Reduction of wear on the grinding wheels biodegradable (up to 80%)

SintoGrind SI was especially developed for the grinding of glass (e.g. alkali-lime-glass, lead- crystal, quartz and borosilicate-glass) and technical ceramics (e.g. silicate, oxide and non-oxide-ceramics)

Technical facts:

Density at +15 °C [g/cm ³]	0,81	ASTM D 7042
Kin. viscosity at +40 °C [mm ² /s]	5,7	ASTM D 7042
Flashpoint [°C]	> 160	DIN EN ISO 2719
Pourpoint [°C]	> -50	DIN ISO 3016
Corrosive effect on copper	1	EN ISO 2160

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