

Naturally.

Product Data Sheet



Cool12/11-1

Binol Cool 12

Binol Cool 12 is a water miscible clear grinding fluid, which provides lubricity, cooling, and corrosion protection.

The product can also be used in light duty cutting operations when cooling and good chip removal properties are required.

Recommended concentrations:	Grinding	4-5%
	Light duty machining	4-7%

Physical and Chemical Data (typical)

Analysis	Method	Unit	Results
Concentrate			
Viscosity at 40°C	ISO 3104	mm ² /s	2
Density at 20°C	ISO 3675	kg/m ³	1095
pH	DIN 51 369		10,6
Flash Point	SIS 15 02 02	°C	>200
Boiling Point	Own	°C	approx. 100
Freezing Point	Own	°C	0
Colour	Optical		yellow
Smell	Nasal		faint, amine related
Emulsion (4%)			
Appearance	Optical		transparent
pH, equilibrium	DIN 51 369		9,4
Refractometer index			2,0

Handling

- Storage Handling and storage between +10 to +40°C
- Packaging Drums at 200 l, plastic containers at 20 l. Bulk and IBC on request.

Maintenance of the fluid

Binol Cool 12 is a concentrated fluid that has to be blended with water to a transparent liquid. For blending the product, a diaphragm or ejector pump is recommended. When manual blending occurs, add the concentrate to water – not the way around!

Check the concentration at least twice a week with a refractometer to increase the sump life of the emulsion. If the concentration is too low, top up with fresh fluid. If too high, top up with for example 0,5-1% premixed emulsion – not only pure water. Regularly remove tramp oil from the surface of the tank, with e.g. a band skimmer.

A company in the AAK Group