

T3002 Water-Soluble Cutting Fluid

Product Introduction:

We are a professional lubricant manufacturer. We produce a wide range of products. Here we introduce the water-soluble synthetic anti-rust emulsion.

T3002 is a kind of biological stable water soluble antirust emulsion with good lubricity and extreme pressure performance. It doesn't contain phenols, and will have good processing performance in hard water and soft water.

T3002 is one type of Water Soluble Fully Synthetic Cutting Fluid. Metal Working Fluid can be classified in four types: Oil Soluble Metal Working Fluid, Water Soluble Semi Synthetic Cutting Fluid, Water Soluble Fully Synthetic Cutting Fluid and Emulsion Metal Working Fluid by different application.

Application:

Suitable material: Suitable for carbon steel, stainless steel, alloy steel, ect. ferrous metals, also suitable for most of nonferrous metals.

Processing method: Suitable for various processing methods, such as grinding, turning, milling, drilling, ect.

Features:

- ★ Biological stable product, long life.
- ★ Low foam, good compatibility with water.
- ★ Excellent corrosion inhibit performance.
- ★ Excellent washing and cooling performance.
- ★ Excellent lubricity and extreme pressure performance, effectively improve tools life.
- ★ Friendly to operator and environment, low odor.
- ★ Not destroy paint and is compatible with machine tool seals that are commonly used.

Recommended used concentration:

Process Material Process Method	Cast iron	Low carbon steel	High carbon steel	Stainless steel	Heat resistance steel	Nonferrous metals
Turning	4.5%	4.5%	5%	5%	5%	4.5%
Milling	4.5%	4.5%	5%	5%	5%	4.5%

Drilling	5%	5%	5.5%	6%	5%	5%
Tapping	5%	5%	5.5%	6%	5.5%	5%
Grinding	4%	4%	5%	5%	5%	4%
Sawing	5%	5%	5.5%	6%	5.5%	5%

Note: For excellent antibacterial ability, the recommended used concentration is not less than 4%;

Typical Data:

Item	Test Method	Unit	Typical Data
Concentration Fluid			
Appearance	BAM 300	-	Transparent yellow liquid
Density(20°C)	IP365	g/ml	0.89
5% Dilution Solution			
Appearance	BAM 189	-	Milk white
PH value	BS1647	-	8.8
Antirust: Steel Aluminium	IP287 -	- -	0% No rust spot
Foam Performance	IP312	s	10
Refractive meter reading	-	-	0.9

Note: Above are typical data, not represent specifications.