

Technical Data Sheet



RLT-FS600

Fully Synthetic Compound Concentrate

Description

RLT-FS600 Fully Synthetic Compound Concentrate specially developed for metal processing. The agent is carefully prepared by using a lubricating additive, a rust preventive agent, a non-ferrous metal corrosion inhibitor, etc., and a simple cost-effective synthetic grinding and cutting fluid can be prepared by simply adding water. The finished product has good cooling effect, good defoaming, excellent lubrication and rust resistance, and does not contain harmful substances such as heavy metals, sodium nitrite and phenols.

Features and benefits

- The water-mixed finished product has good cooling, lubrication, cleaning and excellent anti-rust functions.
- Water-soluble processing fluid is stable for a long time.
- Extend the tool life and improve the surface quality of the workpiece.
- Hard water adaptability is good.
- Waste liquid treatment is convenient and environmentally friendly.
- Defoaming is fast.

Typical physical and chemical properties

	Test item		Test method	Technical index
Appearance	Concentrated liquid		visual inspection	transparency liquid
Appearance	5% wt. Diluent		visual inspection	Homogeneous emulsion
PH value	5%wt		PH meter	9-9.5
Finished product	Rust resistance, (cast iron, 35°C±2°C, RH>95%; Single piece 24h, lamination 8h)		GB/T6144	Level A
	Corrosivity of aluminium	steel disc	GB/T6144	Level A
	(55 ~C+2 ~C; 8h)	Red copper		Level A
		LY12 aluminum		Level A

Application

It can be used for the processing of cast iron, alloy steel, carbon steel and other materials.

Usage method

1. Blending: Water is added to the compounding agent at a normal temperature in proportion, and the synthetic concentrated liquid is obtained after the mixture is clear and transparent.
2. Recommended ratio: 45-55%.