



FORGE-MAX 100

FORGE-MAX 100 is a high performance water based forging lubricant

Description

FORGE-MAX 100 is a stable, high purity dispersion of colloidal graphite in water with additional additives to improve wetting and film formation at high temperatures.

Applications

Hot and warm forging of steel and precision forging.

Advantages

- Efficient high temperature film formation
- Rapid wetting
- High lubricity

- Prolongs die life
- Environmentally friendly
- Improved productivity
- Reduces forging cost
- Stable dispersion
- High rates of metal flow
- Uniform film formation at high temperatures
- Reduced scrap
- Reduced downtime
- Improved productivity
- Minimal die cavity build up
- Low waste disposal cost

Typical performance data

Appearance	Black viscous fluid
Lubricant	High purity graphite
Density, kg/m ³	1200
Carrier fluid	Water
pH	~11
Brookfield viscosity, cP	~450

Application

FORGE-MAX can be applied by spray or brush and diluted with water in the ratios from 1:1 up to 1:10 depending on the size and difficulty of the forging. Best results are achieved when FORGE-MAX is applied by spray.

Dilution

FORGE-MAX is a concentrate and for its dilution water should be added. Start by adding small amounts of water while stirring and gradually increase the amount of water while stirring at all times.

Storage

Store in a sealed container at a temperature between +5 °C and +40 °C. Shelf life is at least 12 months when stored in a sealed container.

All performance data on this Technical Data Sheet are indicative only and can vary during production

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