

Duraol MA-3480

Heavy Duty, Hard-Water Stable Semi-Synthetic

Description

Durasol MA-3480 is a high performance biostable semi-synthetic uniquely developed for the machining of magnesium and its alloys as well as both hard and soft aluminum alloys. This new multifunctional technology results in a very stable, bioresistant, low foaming product without residue formation in water up to 6000 ppm hardness.

Performance Benefits

- Excellent machining performance on magnesium and aluminum alloys in difficult operation such as roll form tapping, Mapal reaming, gun drilling, and deep hole boring.
- Stable emulsion up to 6000 ppm hardness
- Low foaming formula
- Minimal hydrogen gas generation
- Biostable formula resists bacterial contamination preventing rancidity and extending coolant life.
- Excellent corrosion protection protects machine tools and parts.
- Extended sump life in central systems reduces overall costs.

Recommended Applications & Dilutions

Recommended for machining magnesium and aluminum alloys. Consult with your account representative for questions regarding compatibility with particular alloys.

Machining 5% to 12%

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear to slightly hazy amber liquid
Appearance of Dilution	-	Visual	Milky
pH of 5% dilution	-	-	9.3 – 9.7
Density @ 15°C	lbs/gal	-	8.3
Chlorine		-	No
Nitrites		-	No
Phenols		-	No

Additional Information Concentration Control

Refractive Index Multiplier: 1.1

Refractometer Reading	% Concentration
2.7	3
3.6	4
4.5	5
5.5	6

