



Folia G 5000

Innovative coolant technology, an outstanding solution for ferrous grinding

DESCRIPTION

Folia G 5000 is a futuristic 'Oil-Free' coolant technology that delivers outstanding grinding performance with focus on Environment, Health and Safety

APPLICATIONS

Material	Grinding	Machining
Cast Iron, SG Iron	• • •	• • •
Mild Steels	• • •	• •
Stainless Steels	• • •	•
Aluminum alloys		•
Titanium & Inconel	•	•
Copper alloys		•
• • • Designed for • • Suitable • Possible		

FEATURES > BENEFITS

Oil Free > Safer workspace

Non-Foaming > No overflow + Higher productivity

High Flushing > Improved grinding wheel life & surface finish

Transparent aspect > Clear view of grinding area

Excellent corrosion resistance > Lower rework cost

Superior EHS profile > Reduced non-compliance risk

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

CONCENTRATION RECOMMENDATION

Application	Minimum	Maximum
Grinding	5v%	7v%
General machining	6v%	9v%

HOMOLOGATIONS

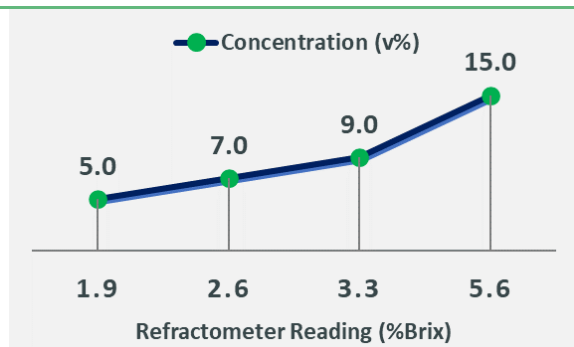
- **DMG Mori**, according to standard 3.9 (version 2016)
- **Junker**

TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Folia G 5000
Density @ 15 °C	ISO 12185	Kg/m ³	1041
Appearance 5 %		--	Translucent Green
pH @ 10 %	DIN 51369	--	9.3
Corrosion Break point	DIN 51360/2	v%	4
Refractometric Factor		--	2.7

The characteristics shown in this table are typical values given for illustrative purposes.

CONCENTRATION RECOMMENDATION



RECOMMENDATION

- Use demineralized water for best performance (ideally <10°dH)
- Ensure compliance with local regulation during disposal
- Do not exposure to direct sunlight, rain, or snow
- Store within the temperature range 5°C to 40°C
- Regularly monitor and maintain concentration and pH range as recommended
- Use within 12 months from date of manufacturing

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