

Product Data Sheet

Mobil Vacmul FG 25 Premium Flute and Thread Grinding Oil

Product Description

Vacmul FG 25 is a light coloured premium quality form grinding oil based on solvent refined mineral oils and containing surface active agents and extreme pressure additives.

Vacmul FG 25 can be used in machine hydraulics.

Benefits

Vacmul FG 25 offers the following benefits:

- Excellent metal wetting ability reduces burning and ensures clean wheels
- Optimum viscosity for heat removal and lubrication
- Extreme pressure additives to improve finish and machining efficiency
- Reduction in thermal damage to machined components
- Elimination of sticky residues on wheels and slides
- Reduced production costs
- Multipurpose application as both grinding fluid and hydraulics lubricant

Applications

Vacmul FG 25 is recommended for use in all high speed and high pressure (100 p.s.i+) grinding operations for the production of fluted tools including drills, taps and end mills.

Vacmul FG 25 can also be used for light to medium duty turning and forming operations on multipurpose and N.C. machines and in low pressure machine hydraulic systems.

Properties

Vacmul FG 25 is blended from a unique combination of wetting agents and extreme pressure additives to reduce the common problems of burning in machined flutes and on the run out whilst maintaining a free, clean grinding wheel.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Product Characteristics

	Test Methods	Mobil Vacmul FG 25
Relative Density, 15/4°C		0.875
Viscosity, cSt at 40°C		23.1
Phosphorus, % wt		0.16 - 0.21
Sulphur, % wt (added)		0.35
Copper Strip Corrosion 3 hrs, at 100°C		1B Max.
Colour	ASTM D1500 Max.	6.0

Due to continual product research and development, the information contained herein is subject to change without notice

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