

MARTOL FMO 235 CF



Metalworking



Food grade stamping and deep drawing lubricant for aluminium packaging.

UTILISATIONS

- Stamping and deep drawing oil processed from natural, non-oxidizable fatty compounds.
- Recommended for aluminium sheet stamping and deep drawing in food packaging.
- Application using roller, brush or by spraying.
- Limited miscibility with white oils, to be checked systematically.

SPECIFICATIONS

NSF-3H registered

- **MARTOL FMO 235 CF** is NSF-3H registered.
- Suitable for direct food contact.
- **MARTOL FMO 235 CF** meets FDA 21 CFR 172.830.a requirements.
- Meets the KOSHER requirements.

APPLICATIONS

Excellent oiliness

No rancidity

- **MARTOL FMO 235 CF** is formulated with a high viscosity, providing:
 - Very good lubricating properties during stamping.
 - Excellent antiseizing properties between metal sheet and die.
- **MARTOL FMO 235 CF** doesn't turn rancid nor produces any bad smell even during extended storage in a warm place. **No sign of rancidity in Rancimat test (100 hours at 100°C).**

TYPICAL CHARACTERISTICS	METHODS	UNITS	MARTOL FMO 235 CF
Appearance	Internal	-	Clear liquid
Color	Internal	-	Straw-coloured
Smell	Internal	-	Odourless
Density at 20°C	ASTM D 4052	kg/m ³	1040
Viscosity at 40°C	ASTM D 445	mm ² /s	235
Flash point C.O.C.	ASTM D 92	°C	270
Pour point	ASTM D 2500	°C	- 33

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

Caution: The suggested product shelf-life is 2 years from the date of manufacture. Contact your local sales representative before using product aged beyond 5 years.

TOTAL LUBRIFIANTS
Industrie & Spécialités
10-10-2012 (supersedes 22-11-2010)
MARTOL FMO 235 CF
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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 adviser or down loaded from www.quick-fds.com.