

# MARTOL FMO 75 - 125



Cold drawing



Fluids particularly suitable to draw aluminium food containers.

## DESCRIPTION

- Drawing oils formulated with natural, non-oxidable fatty matters.

## SPECIFICATION

- FDA 21 CFR § 172 subpart I

## APPLICATIONS

MARTOL FMO 75 and 125 are formulated due to their properties:

- the active matters are non-oxidable and no bad smell will occur for a long time of storage
- the active matters, owing to their high viscosity, have:
  - a very high lubricating property in drawing
  - an excellent antitacky property between drawing metal and die
- all components are in agreement with FDA specifications for products with food contact surfaces
- could be applied by a roller or by electrostatical system
  - Recommended quantity **300 mg/m<sup>2</sup>/side max**

**Martol FMO 75 and 125 fulfill to the Italian law- Decree n. 76- 4/18/2007 “ Regulation regarding the hygienic rule of materials and objects made in aluminium and aluminim alloys destined to be in contact with food “**

## ADVANTAGE

- Active matters have remarkable antitacky properties: for such reason it is easy the ejection of the piece, also with difficult shapes.
- Incidental residues may keep in touch with food because they are in agreement with FDA 21 CFR part 172 (« *Food additives permitted for direct addition to food for human consumpt* »).
- Incidental residues don't go rancid and don't produce bad smells also for an extended storing times in a warm place. **In the Rancimat test (100 hours at 100°C) the two products didn't show any sign of oxidative rancidity.**
- The components are in accordance with the alimentary rule of Kasherut and so the products are **Kasher certified**: the food container obtained with the products can get the mark



or



- The components are in accordance with the Muslim alimentary rule (**without Haram components**) and so the products are **Halal** level

## Typical Characteristics

Metodi di prova	Determinazioni	MARTOL FMO		
		75	125	
Interne	Appearance	--	clear	
Interne	Color	--	straw-coloured	
Interne	Smell	--	odourless	
ASTM D-4052	Density at 20°C	kg/l	1,004	1,010
ASTM D-445	Viscosity at 40°C	cSt	75,41	124
ASTM D 445	Viscosity at 100°C	cSt	10,15	--
ASTM D-92	Flash point C.O.C.	°C	256	272
ASTM D-97	Pour point	°C	-33	-36
IEC 296 (1997)	Breakdown voltage	kV	70	70

Above characteristics are mean values given an information.