TECHNICAL DATA SHEET

V.12/2023



Martol EP 405 CF

DESCRIPTION

Whether you need to cut, drill, grind, or form metal parts, TotalEnergies Lubrifiants has the right metalworking fluid for you. Our products are designed to meet the highest standards of quality and performance, and to help you optimize your operations.

Martol is a versatile range of high-performance forming fluids, shaping a path of consistency for you and your operations.

APPLICATIONS

With their specific extreme-pressure additives, Martol EP CF products offer superior performance without the use of chlorinated paraffin. A wide viscosity ranges from 5 to 400 cSt enables most steel and stainless-steel forming operations to be carried out, for thicknesses up to 10 mm.

Martol EP 405 CF is designed for drawing and deep drawing of steel and stainless steel with a thickness < 10 mm. It offers some compatibility with stainless steel. For removal, degrease using usual solvents and hot alkaline solutions.

RECOMMENDATIONS

Martol EP 405 CF is a doped fluid mineral oil without chlorinated additives, aligning with environmental protection needs and industry demands. It excels in spreading the oil film effectively. Its oiliness, anti-wear, and extreme-pressure properties enhance tool durability and surface quality, leading to reduced production costs. Additionally, it achieves performance levels comparable to chlorinated counterparts while offering the distinct advantages of pollution prevention and cost-effective disposal.

TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	MARTOL EP 405 CF
Appearance	Visual	-	liquid
Density at 15°C	ISO 3675	kg/m^3	957
Colour	Visual	-	Dark
Viscosity at 40°C	ISO 3014	mm^2/s	400
4-balls soldering	ASTM D 2783	kg	≥800
Copper corrosion	ISO 2160	-	4c

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 at ms-sds.totalenergies.com

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