

## ExxonMobil 446 Mobilmet 440 Series

Category : Fluid , Lubricant

**Material Notes:**

Mobilmet 440 Series fluids are high performance, multi-service, non-corrosive straight cutting fluids. They are designed for moderate to heavy duty cutting operations. They are also suitable for machine tool lubrication and use as hydraulic fluids in specific applications. They are formulated from high quality base oils and chlorine-free additives to provide effective machine performance in a wide variety of moderate to severe operations. They are non-staining to both ferrous and non-ferrous metals during machining. Mobilmet 440 Series fluids are formulated to prevent the formation of oil mist in the vicinity of the machine tool, thus contributing to a safer and more pleasant working environment. Mobilmet 440 Series fluids are recommended for a wide range of moderate to severe machining operations on all types of metals. Mobilmet 443 is recommended for machining non-ferrous metals and their alloys, normal to difficult-to-machine steels, including cementation steels, carbon steels and high alloy steels. Mobilmet 446 and Mobilmet 447 are recommended for severe duty gear hobbing, gear cutting and shaving, gear and thread grinding, milling, and broaching operations.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-446-Mobilmet-440-Series.php](http://www.lookpolymers.com/polymer_ExxonMobil-446-Mobilmet-440-Series.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.880 g/cc	0.880 g/cc	15°C; ASTM D4052
Viscosity Measurement	132	132	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	14.1 cSt	14.1 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	6.0 cSt	6.0 cSt	ASTM D445
ASTM Color	2.5	2.5	ASTM D1500

Thermal Properties	Metric	English	Comments
Pour Point	-24.0 °C	-11.2 °F	ASTM D97
Flash Point	210 °C	410 °F	ASTM D92

Descriptive Properties	Value	Comments
Copper Strip Corrosion	1B	3 hrs @ 100°C

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