



DOVERLUBE 31700

Polymeric Ester

Doverlube 31700 is a polymeric ester that imparts lubricity and can be utilized to enhance or replace EP additives in formulations. **Doverlube 31700** can be used synergistically with sulfur and phosphorus to enhance performance or reduce their usage levels. **Doverlube 31700** can also be used as a substitute for blown or oxidized oils, as well as fats to improve thermal and hydrolytic stability. **Doverlube 31700** is soluble in both naphthenic and paraffinic base oil and can be used in soluble and semi synthetic Metalworking fluid formulations. Additionally, **Doverlube 31700** exhibits excellent thermal & hydrolytic stability, oxidative resistance, and is low residue. Alternatively it can reduce or replace chloroparaffins in some formulations.

Recommended use levels are:

	<u>% Treat</u>
Cutting Oils (Ferrous Metals)	3-10*
Machining (Heavy Duty Ferrous)	3-8**
Drawing and Stamping (Aluminum)	5-20
Machining (Aluminum)	5-8
Solubles / Semi-synthetics	3-6

* Medium duty used in combination with EM-706 (6:1 ratio)

* Heavy duty used in combination with Mayco Base 1540 (2-5%)

** In combination with Mayco Base 1540 (1-4%)

TYPICAL PROPERTIES

Property	Result
Appearance	Clear, Viscous Liquid
Viscosity Index	209
Density, lb/gal	7.64
Viscosity, SUS @ 100°F (210°F)	16,700 (1150)
Viscosity, cSt @ 40°C (100°C)	2,900 (227)
Color, ASTM	3.5
Flash Point, PMCC, °F (°C)	390 (199)
Pour Point, °F (°C)	28 (-2) No Cloud at Pour Point
Acid Value, mgKOH/g	5

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