

AGIP ESTRAMET



AGIP ESTRAMET is a new special high-performance water-miscible cutting fluid on a synthetic ester base oil; it contains no mineral oil, and no chlorine, sulphur or phosphorous compounds, nitrosating agents, secondary amine (<0.2%), heavy metals and bactericides.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP ESTRAMET

Viscosity at 20°C	mm ² /s	105
Aspect emulsion	-	Semi-trasparent
DIN 51360 - 3% emulsion	-	0
Stability of the emulsion at 5% (H ₂ O a 35° Fi) + 0,3%NaCl	-	No separation
Mass density at 20°C	kg/l	0,980

PROPERTIES AND PERFORMANCE

- AGIP ESTRAMET is equally suited to metal cutting with geometrically defined cutting edge and for metal cutting with geometrically undefined cutting edge (abrasive machining).
- AGIP ESTRAMET gives lower operating costs due to longer charge life.
- It is a product highly compatible with aluminium and copper alloys.
- It has very good cooling, antirust, detergent and lubricating action.
- AGIP ESTRAMET is particularly resistant to micro organism (bacteria and fungi).

APPLICATIONS

AGIP ESTRAMET is a cutting fluid with a particularly wide range of applications:

- it is particularly suitable for machining aluminium and aluminium alloys, and above all hard-to-machine silicon - aluminium alloys;
- it is suitable for working a wide variety of materials, especially hard-to-machine steels and copper and copper alloys.

The requirements for application concentrations is dependant on the difficulty of the cutting process and on the material to be cut. AGIP ESTRAMET is recommended for all medium and severe cutting operations of ferrous and non-ferrous metals. Emulsion strengths range from 3 to 15%, depending on the severity of the machining job. Do not drop below a minimum concentration of 3.0%.

- Factor for hand refractometer: 1.3.

NOTE

The mixing of AGIP ESTRAMET is not a cause of problems, but like every water miscible fluid, it is important to observe the mixing sequence: always add the cutting fluid to the agitated mixing water. It is recommended to use a mixer.

To prevent deterioration of the product due to marked temperature changes which may occur if the containers are left out-of-doors, it is recommended that they be stored in closed premises; (ideal storage temperature is between +10°C and +30°C).