

OLICUT AL

DESCRIPTION:

Highly refined and very fluid pure cut oil, specially formulated with selected mineral bases and reinforced with high polarity Ester-based synthetic oils, to improve its lubricating capacity, by reducing tool wear and improving the surface finish of the part versus conventional mineral oils.

Recommended for cutting and general machining of low severity of aluminum, bronze and other light copper alloys, as well as mild steels.

PROPERTIES & ADVANTAGES:

- ✓ High cooling power, which allows for quick heat evacuation from the working area, thus, avoiding welding between the tool and chips.
- ✓ Reduced coefficient of friction between the part and the tool. It increases the duration and performance of cutting tools.
- ✓ Transparent. It allows for machining observation.
- ✓ Quick decantation of chips and other debris, ensuring perfect visibility.
- ✓ Oxidation resistance.
- ✓ No stained or darkened machined parts.
- ✓ No fume generation.
- ✓ High flash point, which allows for its use without risks.

APPLICATIONS:

- ✓ Recommended for cutting and general machining of low severity of aluminum and bronze parts and other light copper alloys.
- ✓ Machined in automatic mild steel lathes.
- ✓ Grinding operations.
- ✓ Saw cutting of soft materials.

TECHNICAL DATA:

PHYSICOCHEMICAL CHARACTERISTICS	STANDARD	VALUE
Colour, Max.	ASTM D-1500	3.0
Aspect	Visual	Liquid transparent
Kinematic viscosity at 40 °C (cSt)	ASTM D-445	16 – 21
Density at 15 °C (kg/l)	ASTM D-1298	0.860 – 0.880
Flash point (°C)	ASTM D-92	> 180
Oxidation resistance	CETA -20529	Conforming
Steel corrosion	CETA -20516	Conforming
Copper corrosion (3h, 100 °C), Max.	ASTM D-130	1a

HOW TO USE:

OLICUT AL is used pure, without applying any dilution. It can be mixed with oils of the same type. Do not use in case of medium to high severity operations or for the machining of hardened steels.

PACKAGING:

200L drum and 1,000L IBC container.