

SYNTHETIC SOLUBLE CUTTING OIL

IPOL SYNTHCUT 1030, 1040

Description:

For grinding operations these coolants offer a service better than that obtainable from mineral oil emulsions. They usually form a see-through solution with water and often contain no mineral oils and emulsifies.

Their formulations may have special friction reducers to facilitate free movement of machine slides.

The house-keeping problems of odour, dis-colouration etc. encountered with the use of mineral oil based product are overcome as, the synthetic coolants are non-hydrocarbon based.

Salient Features:

- *IPOL Synthcut 1030* is a soluble type synthetic coolant devoid of any mineral oil. It consists of special corrosion protective additives in water.
- *IPOL Synthcut 1040* is a superior soluble type of synthetic coolant. Specially formulated with a variety of additives to offer in addition to good rust protective characteristics, lubricity and low foaming.

Application:

- *IPOL Synthcut 1030* is recommended for grinding of ferrous metals, high nickel and titanium alloys only.
- *IPOL Synthcut 1040* is recommended specially for grinding operations of iron, steel and non-alloyed steel.
- These are very effective in grinding or high speed machining operation.
- Dilution ratio with water depends upon the type of machining and final finish.

Product Data

Benefits:

- Remarkable anti-rust properties.
- Exceptional cooling, enhancing tool life.
- Enhances the life of central systems and individual sample.
- Manufactured parts have better finish.

Typical Results: IPOL SYNTHCUT OILS

Characteristics	Test Methods	Result	
		1030	1040
Appearance	Visual	Bright & Clear	
Spec. Gravity @ 30°C		1.222	1.172
PH -10% aqua solution	D-664	--	9.25
Refractive Index	D-1747	--	1.406
Copper Strip Corrosion	D-130	1	1
Cast Iron Corrosion Test	IP-125	Passes	Passes
Foaming Test	IP-290	Passes	Passes

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