

POWEROIL METROLL AL HEAVY SOLUBLE CUTTING OIL

POWEROIL METROLL AL HEAVY is a high quality conventional milky emulsion type soluble Cutting oil manufactured from specially selected base stocks and superior performance additive package. It has carefully chosen emulsifier, select rust inhibitors and new generation biocides. This product is specially developed for Aluminum hot rod rolling application.

PERFORMANCE STANDARDS: BIS:1115- 1986* (Reaffirmed 2013)

CHARACTERISTICS	POWEROIL METROLL AL HEAVY
Appearance	Amber Clear Liquid
Specific Gravity @29.5°C.	0.890
Kinematic Viscosity @ 40°C, cSt.	60
PH (5% Emulsion D/W)	9.2
Emulsion Stability Test (24 Hrs) at 5:1 & 20:1 ratio in 400 ppm Hard water (as CaCO ₃)	Stable Emulsion
Thermal Stability Test (at 0 °C & 50°C)	Pass
Cast iron corrosion test (IP-125)	Pass

The above properties are typical values and do not constitute specification of the product

*** Exceeds BIS: 1115 – 1986 specs w.r.t. hard water stability.**

APPLICATION:

- Recommended specially for hot rolling operation of Aluminum rod rolling
- Excellent cutting oil for Aluminum cutting operation.
- Suitable for use even with higher hardness of water.
- Suitable as a pickling oil for cold rolling of steel.
- Recommended as general-purpose coolant for ferrous metal cutting operations at lower concentrations

PERFORMANCE BENEFITS:

- Very good cooling and lubricating characteristic
- Highly stable emulsion even in hard water and at higher temperatures.
- Better Lubrication and high temperature stability, thereby offering better die life and lower oil consumption
- Economical to use due to its longer sump life
- Offers good rust protection of machined components