

Product Data Sheet

IPOL Enhanco Quench MF 200

Fast Cold Quenching Oil

Description:

IPOL Enhanco Quench MF 200 is a general purpose Fast - Cold Quenching oil. This oil is blended, using highly refined oxidation stable paraffinic Base oil with exclusive anti-oxidants, speed improvers & performance additive chemistries. This unique and superior package helps in increasing the working life of this quenching oil, excellent performance in Jobs, coming for Heat treatment, with varying material chemistry.

Salient Features.

- Higher Cooling speed compared to other conventional cold quenching oils.
- Enhanced performance, when oil temperature is in range of 40 to 70 deg C
- Excellent oxidation and thermal stability
- Excellent quenching characteristics
- Reduced risk of fire hazard
- Reduced carry-over losses

Application:

- Large diameter jobs, where through Hardening is required.
- Job Heat Treaters
- Bore-well Parts
- Piston Rods
- Varieties Nuts and Bolts

Guidelines for the use of Quenching Oil:

- Use of inert gas would enhance the life for this oil
- Can be used in Sealed quench furnace as well as open tank
- Better results in continuous furnace / batch-type furnace
- Quench load should be one-tenth of the volume of oil present in tank
- Avoid water/moisture contamination
- Heat exchanger should be in working condition to control the temperature of the oil
- Maintain proper atmosphere in the furnace
- Oil level in the tank to be maintained at all times

Physical Properties:

Properties	Methods	Typical Test Value
Color	ASTM D 1500	Light Brownish yellow
Specific Gravity @ 30°C	ASTM D 1298	0.840
Kinematic Viscosity @ 40°C	ASTM D 445	15 cSt
Flash Point	ASTM D 92	180°C
Total Acid Number	ASTM D 974	0.05 Max
Operating Temp.	-	40°C – 70°C
Cooling Curve @ 60 deg C	-	Can be provided on demand

(The above data is typical & does not constitute a specification. The information provided is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.)

Storage & Handling:

The product is available in 210 & 26 Ltr HDPE drums. All containers are filled to volume by weight. This product has shelf life of 12 months and above. Like most Industrial Products, it should be stored out of direct sunlight in temperature between 4 & 43 °C.

Safety and Precautions:

IPOL Enhenco Quench MF 200 is unlikely to present any significant health hazard when proper personal and industrial hygiene are maintained.