

IPOL ENHANCO QUENCH MF - 200

Product Brief:

IPOL ENHANCO QUENCH MF - 200 is the high performance Quench oil fortified with performance chemicals for consistent long lasting performance. It is mainly designed in view of job heat treaters where the inflow of jobs is with different material chemistry. It is good for hardening low alloy materials.

Product Features:

- Based on selected virgin base oil of excellent characteristics.
- A high and uniform rate of cooling during initial quenching phase.
- Faster speed ensures proper and uniform hardness
- Slower in the convection phase to avoid the distortion problems.
- Suitable for leaner alloys.
- Fortified with antioxidant additive to ensure uniform and consistent performance of oil.
- Lesser smoking and with reasonably high flash point reduces the risk of fire hazard.
- Lower viscosity reduces the drag out losses.
- Consistent bright finish of the components.

Precautions:

- Follow the practice of Preventive Maintenance of the Quenchants.
- Avoid water/moisture contamination.
- Use of compressed air for agitation should be strictly avoided as it increases the oxidation rate of the oil.
- Heat exchanger should be in operation.
- Avoid Cu and Copper alloys in heat exchanger. Cu acts as a catalyst for oxidation of the oil.
- Maintain proper atmosphere in the furnace.
- Maintain proper level of the oil.

Product Data

Typical Results: IPOL ENHANCO QUENCH MF - 200

Characteristic	Test Method	Results
Colour	ASTM 1500	Brownish
Specific Gravity @ 30°C	ASTM D 1298	0.835
Viscosity at 40°C, cSt	IS 1448 P-25	20
Acid No.	-	< 0.10
Flash Point COC °C	IS 1448 P -69	> 190°C
Fire Point	-	> 250°C
Moisture content	-	< 0.1 %
Sludge	-	Nil
Cooling Speed	-	9 - 11 Sec. on GM

General Comments:

Heat Treatment is a complex process of an art and science. We advise you to take our assistance for the proper system configuration if you are installing the new tank or else modifications if required for the old tank can be suggested by us.

The properties indicated are typical and may change slightly without affecting the performance of the product.

Note: The information provided is not to be taken as a warranty or representation for which we assume no legal responsibility nor as permission or recommendation to practice any attended location or otherwise. It is solely offered for your consideration, investigation and verification.

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