

PROTOCHEM

PROTO Q MF

Product Description:

Proto Q MF is a quenching oil formulated from highly refined base stocks with inherently high oxidation stability & thermal stability. The product is fortified with additives viz. anti-oxidants for longer bath life at elevated temperatures and also contains, rust inhibitors, wetting agents that alter surface tensions and aid cooling during the vapor phase and other accelerators to achieve specific quenching characteristics.

Salient Features:

- Longer service life
- Consistent performance
- High cooling rate during initial stages of quenching ensures higher 'As Quenched Hardness' while slow cooling rate in convection phase helps reduce distortion
- High flash point gives less smoke & evaporation
- Suitable for jobbing heat treaters, where steels with varying hardenabilities are processed

Applications:

PROTO Q MF is suitable for a large variety of steels like low, medium & high carbon steels, alloy steels, & case hardened steels. e.g. crankshafts, gears etc.

Typical Characteristics:

| Characteristic | ASTM Test Method | Results |
|-----------------------------------|------------------|----------------|
| Appearance | Visual | Bright & Clear |
| Specific Gravity @ 29.5° C | D 1292 | 0.86 Typical |
| Viscosity @ 40° C, cSt | D 445 | 22 Typical |
| Flash Point, deg C | D 92 | 200 min. |
| Cu strip corrosion @ 100° C, 1 hr | D 130 | 1 Maximum |

Packing: PROTO Q MF is available in 25 liter & 210 liter packs.

PROTOCHEM INDUSTRIES PVT. LTD.

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