



Description

A natural paraffin mineral oil with low viscosity, formulated with highly refined base oils and specially selected additives, which provide the properties required to overcome the difficult conditions needed for hot, rapid steel hardening; where the bath temperature is between 85 and 125 °C, and in an enclosed atmosphere above 95 °C. This kind of oil is used with non-alloy or low alloy parts.

Properties

- High cooling speed.
- Contains additives to achieve good resistance to oxidation and sludge formation, thus prolonging its useful life.
- Very good thermal stability and low volatility, which reduces smoke and the risk of fire.
- Good foam resistance.
- Uniform and lasting hardening capacity.

Technical specifications

	UNIT	METHOD	VALUE
Colour	-	ASTM D1500	<3
Appearance	-	Visual	B & T
Density at 15 °C	g/cm3	ASTM D4052	0.890
Kinematic viscosity at 40 °C	cSt	ASTM D445	65
Kinematic viscosity at 100 °C	cSt	ASTM D445	8.3
Cooling curve			Annex
Cooling speed at 300 °C	°C/s	ISO 9950	6.45
Maximum cooling rate (MCR)	°C/s	ISO 9950	54.53
Temperature for MCR	°C	ISO 9950	568.87
Time at 200 °C	s	ISO 9950	53.37
Time at 400 °C	s	ISO 9950	17.75
Time at 600 °C	s	ISO 9950	12.37

The above mentioned characteristics are typical values and should not be considered product specifications.