

Clear Quench 200MM

Clear Quench 200MM is recommended for modified marquenching operations. Normal operating temperature range is 200 - 250°F. Clear Quench 200MM is formulated from a highly refined paraffinic base oil, a combination of high temperature oxidation inhibitors and a synthetic quench rate accelerator. This combination produces a clear quench oil with quench speeds similar to conventional fast quench oils with higher oxidation stability and reduced sludging tendencies. As a result, stain free, bright finished parts can be expected.

Clear Quench 200MM helps to protect against undesirable quench cracks and the need for press quenching and straightening. This product allows for both a high hardness and long service life while also being easy to remove from finished parts by either water spray or immersion. It is recommended for use in a typical furnace atmospheres and in vacuum systems.

Features & Benefits

High oxidation stability	Long life; Lower cost to use
Clean bright surface	Low post quench finishing; Lower process cost
Fast	Higher productivity

Physical Data

	<u>ASTM</u>	<u>Typical</u>	<u>Min</u>	<u>Max</u>
Gravity, °API	D287	30.8	28.5	32.0
Flash, °F C.O.C.	D92	420	410	440
Viscosity @ 100°F SUS	D445	210	180	230
Total Acid #	D664	0.20	0.00	0.75
Karl Fischer Water	D6304	0.0055%	0.0000%	0.0200%
Suspended Solids		0.150%	0.0%	0.50%



Cleaning
the Hard to Clean



Finishing
the Hard to Finish



Treating
the Hard to Treat

Operating Conditions

Hubbard-Hall maintains a complete metalworking lab where cooling rate and cooling curve analysis can be performed on our Quench analyzer for your comparison. Please contact your sales representative for cooling curve data which may be of assistance in the selection of the proper quench oil.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

Our people. Your problem solvers.

For more information on this process please call us at

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