

ARGuard™ Medium Quench 100

PROD. CODE
4672

ARGuard™ Medium Quench 100 is formulated for heat treatment of ferrous metals in a wide variety of quenching operations. Its balanced formula provides deep and uniform hardening with minimum distortion and cracking for smooth surface finish. ARGuard™ Medium Quench 100 provides for a controlled initial cooling rate to induce maximum hardness.

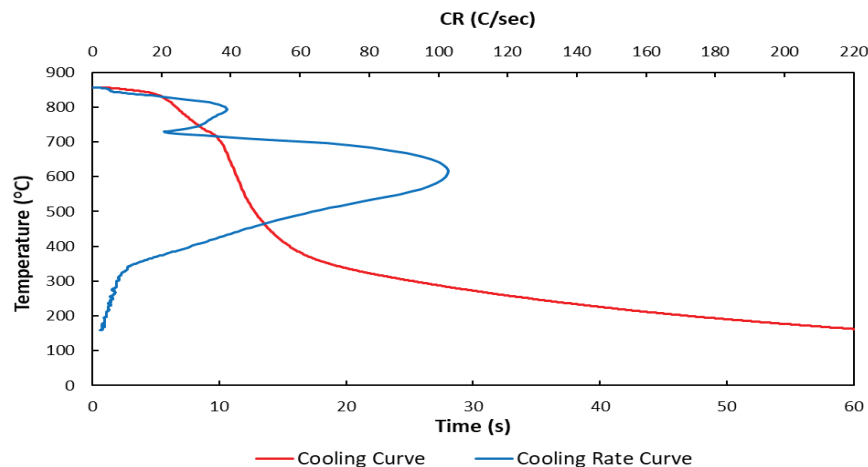
FEATURES & BENEFITS

- Optimized formulation based on paraffinic base oils and unique hydrocarbon resins
- Effectively promotes hardening of steel and facilitates wetting of the part surface
- Controls the development of harmful thermal gradients which helps to decrease the likelihood of distortion and cracking of the steel

APPLICATIONS

ARGuard™ Medium Quench 100 is recommended for controlled hardening of ferrous metals, where a moderately fast quench is required. It facilitates collapse of the vapor layer during the first phase of the quench process, thereby enabling transition to the critical nucleate boiling stage at a moderate speed. Its excellent wetting characteristics make it a good choice for odd shapes or variable part sizes.

METHOD	DESCRIPTION	MINIMUM	MAXIMUM	TYPICAL
	LBS/GAL			7.188
D4052	API GRAVITY			32.7
D445	VISCOSITY @ 40 °C, cSt	16.8	21.0	
D445	VISCOSITY @ 100 °C, cSt			4.0
D6200	COOLING CURVE ANALYSIS, MAX COOLING RATE (°C/sec)			103
D4530	CARBON RESIDUE, MICRO METHOD, MASS %			1.57
D5949	POUR POINT, °C			-21
D92	FLASH POINT, °F	350		356



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