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ADVANTAGE QUENCHING OILS

OVERVIEW

ADVANTAGE QUENCHING OILS are specifically designed to meet the needs of commercial heat treaters facing the challenges of today's increasing heat treatment problems. ADVANTAGE quenching oils are blended from high quality paraffinic base oils and specifically formulated to maintain long term performance and operational productivity.

FEATURES & BENEFITS

CONVENTIONAL QUENCHING OIL

ADVANTAGE QUENCH 1001 is recommended for the conventional quenching of steels with low critical cooling rates and bath temperatures up to 190°F.

FAST QUENCHING OILS

In those operations where metals require high critical cooling rates, we have incorporated a speed additive for fast quenching capabilities. These are particularly useful for hardening lower cost (lower hardenability) steels. These oils impart optimal physical properties to steels that cannot be sufficiently hardened by conventional quenching oils. The viscosity of these products is low, oil runoff is fast, and drag out losses and the load on parts washers are reduced.

ADVANTAGE QUENCH 1021 is recommended for applications where it is important to maximize steel hardness while minimizing distortion.

ADVANTAGE QUENCH 1032 contains an additive that allows baths to be operated up to 250°F, reducing the danger of distortion and stress cracks. ADVANTAGE QUENCH 1032 also prevents sludging and oxidation.

TYPICAL PROPERTIES

Property	**1001**	**1021**	**1032**
Product Code	891	890	893
Viscosity, cSt @ 40 °C	19.4	16.7	17.1
Viscosity, SUS @ 100 °F	103	90	107
Flash Point, COC, °F, min.	390	365	370
Color	0.5	DARK	DARK
Speed Quench	-	X	X
Anti-Sludge Compound	-	-	X