

SpeedQuench Oil / Heat Treatment Oil

SpeedQuench Oil is a heat process oil prepared by blending additives and high quality base oils that can harden to the desired conditions by improving the structure of the steel during the processing of the steel.

Usage

At temperatures between 32-55 °C is recommended for the quenching bath for carbon alloy steels.

Features

Excellent Cooling Performance: That steel structure intact, without changing the color, surface properly ensures hardening as desired.
High Thermal Stability: It can be safely used in the bath quenching.
Superior Oxidation Resistance: It has on the oxidation resistance. It ensures long lifetime.
Surface Smoothness: It prevents formation of hair cracks, enables hardening of the surface as smooth as desired.
Perfect Cleaning Feature: It prevents oil thickening and deposit formation.

Technical Specifications

*Kinematic Viscosity @40˚C, cSt	ASTM D 445	26
*Kinematic Viscosity @100˚C, cSt	ASTM D 445	4,8
*Viscosity Index	ASTM D 2270	104
*Flash Point, °C	ASTM D 92	214
*Pour Point, °C	ASTM D 97	-12

**Data given above are typical properties and may vary slightly.*

SpeedQuench Oil Cooling Graphic Data

Parameter	Unit	100507 1.1	100507 1.2
Maximum Cooling Rate	°C / s	89.95	90.79
Maximum Cooling Rate Temperature	°C	602.65	607.71
Kaynama Sıcaklığı Başlangıcı	°C	706.39	701.28
Convection Temperature Start	°C	360.04	393.44
Cooling Rate @300 °C	°C / s	6.04	6.61
Time To Reach 600 °C	s	8.34	8.40

Time To Reach 400 °C	s	13.45	13.42
Time To Reach 200 °C	s	47.12	48.18

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Revision Number

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