Product Data Sheet

Tomoil™ Quenching Oil 68

Quench oil

Product description

Tomoil™ Quenching Oil 68 represents a high-quality quenching fluid specifically designed for the heat treatment of ferrous metals in diverse quenching processes. Its formulation is tailored to enhance profound and uniform hardening, effectively tackling issues of distortion and cracking, and guaranteeing a polished surface quality.

Application

Tomoil™ Quenching Oil 68 is recommended for the conventional and fast quenching of ferrous metals, such as carbon steel, gray iron, and alloy steel.

Features & Benefits

- Controlled cooling rate to minimize cracking and distortion
- Achieves a good surface finish
- Demonstrates excellent oxidation resistance and thermal stability
- Low volatility reduces oil loss through vaporization

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	68
Density at 15°C	g/cm3	ASTM D4052	0.883
Kinematic Viscosity at 40°C	cst	ASTM D445	68.00
Kinematic Viscosity at 100°C	mm2/s	ASTM D445	8.650
Viscosity Index	-	ASTM D2270	97
Flash Point (COC)	°C	ASTM D92	236
Pour Point	°C	ASTM D97	-15

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil™ specifications, variations in these characteristics may occur.

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Performance claims

• ISO 6743-14 L-UHA
• ISO 6743-14 L-UHB

Health, Safety & Environment

- **Health and Safety**

  This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

  For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

- **Protect the Environment**

  Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Available pack sizes

- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

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