DATA SHEET

THERMIC TO 10

Heat Treatment - Cold quenching

DESCRIPTION

THERMIC TO 10 is a cold quenching oil with a high flash point, that is used for good hardenability steel and parts of simple geometric shape.

APPLICATIONS

THERMIC TO 10 is suitable for quenching of :

- Carbon steel

C 55, C 78: pins

- Mild steels

XC 48, XC 55: chain link

- Low alloyed steels

30 CD 12, 12 NC 12, 35 NC 12: gears

- Martensitic steels stainless steel

Z 30 C 13, Z 40 C 14: tools

- High alloyed steels

Z 200 C 13, Z 40 CSSSSSD 10: press tools

ADVANTAGES

- Few loss of oil by carrying of product thanks to its fluidity.
- Excellent thermic shock resistance thanks to its high quality additives.
- Reduces the calefaction area.
- Reduces fire risk thanks to its high flash point.

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TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	THERMIC TO 10
Color	-	Visual	Light Yellow
Density	-	ASTM D4052	0.860
Viscosity at 40°C	°C	ASTM D445	27.3
Viscosity index	-	IP 220/85	102.0
Flash point	-	ASTM D92	222
Self-Ignition Point	°C	ASTM D92	244.0
Storage	-		in frost-free, dry place

These characteristics are given only for information and can be updated over time.

PROPERTIES

- Stable quenching power between 30 and 90°C
- Reinforced with antioxidant additives
- Excellent wetting properties

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.

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Important Notice

Information disclosed in this technical data sheet is based on MOTUL's experience and know-how in the development and manufacture of lubricants and other chemical products according to the current state of knowledge.

Any chemical product must be used in the intended application and in accordance with the recommendations provided in its safety data sheet freely consultable via the site https://www.quickfds.com/fr/. The performance of our products may be influenced by a series of factors, including conditions of use, application methods, operational environment, pretreatment of components, possible external contamination, etc ... For these reasons, universal recommendation of our products is impossible. The information in the technical data sheet represents general, non-binding guidelines and is given for guidance only. No express or implied warranty is given regarding the properties of the product or its suitability for a given application.

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