



## MOTULTECH THERMIC 100

### Heat Treatment

#### DESCRIPTION

**THERMIC 100** is a hot quenching oil with a high ignition point, used for quenching of low and medium alloyed steels with complex shapes.

#### APPLICATIONS

**THERMIC 100** hot quenching oil is specially adapted for the following heat treatments :

##### Cementation-quenching

- Low alloyed steels :

16 CD 4 : tripods  
20 CD 4: ball pivots, steering racks, steering pinions

- Medium alloyed steels :

20 NCD 2 : crown and pinion drives

##### Carbonitriding

- Low alloyed steels :

20 CD 4 : tulip shafts, driven gearbox shafts, gearbox pinions  
30 CD 4 : one-piece shafts, gearbox parts

##### Continuous hot quenching

- Hard carbon steels :

XC 48, XC 65, XC 80: strips, sheets

**THERMIC 100** is suitable for parts heated in batch type ovens with a protective atmosphere for the quenching tank.

#### ADVANTAGES

- Reduces strain and crack risks.
- Excellent thermal stability, it oxidized a little under the effect of repeated quenching.
- High quenching speed.
- Uniform results due to a viscosity that does not vary.
- High flash point, which reduces the risk of fire, even when it is used at 180°C.
- Low consumption, due to its fluidity it reduces loss by drag-out.
- **THERMIC 100** is approved by PEUGEOT CITROEN and can be recommended for all automotive subcontractors characteristics .



## TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	UNITS	METHOD	THERMIC 100
Density	-		884.0 0,884
Self-Ignition Point	°C	ASTM D92	270.0
Storage	-		in frost-free, dry place

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

## 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.

### Important Notice

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on [www.motul.com](http://www.motul.com).

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.