

THERMIC TO 19 R

Heat Treatment

DESCRIPTION

THERMIC TO 19 R is a cold quenching oil with a high flash point, used for heat treatment of good hardenability steel and parts with simple geometric shape.

APPLICATIONS

THERMIC TO 19 R is specially adapted to parts with complex geometry, and are sensitive to distortion during quenching:

- Mid-hard carbon steels: XC 38, XC 42
- Hard carbon steels: XC 60, XC 70, XC 80
- Low alloyed steels: 18 CD 4, 25 CD 4, 35 CD 4
- Mid alloyed steels: 50 CD 4, 42 CD 4, 35 NCD 16

THERMIC TO 19 R is recommended for all alloyed and semi-alloyed steels heated on salty bathes, hardening furnace, bell oven, continuous and conveyor furnaces.

ADVANTAGES

- Reduced consumption 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.

TECHNICAL INFORMATION

NAME	UNITS	METHOD	THERMIC TO 19 R
Color	-	Visual	Dark Yellow
Density at 20°C (68°F)	-	ISO 12185	0.864
Viscosity at 40°C (104°F)	mm ² /s	ASTM D445	29.0
Self-Ignition Point	°C	ASTM D92	248.0
Flash point	°C	ASTM D92	218.0
Cooling speed	-		Accelerated
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.