

THERMIC TO 19 R

Cold Quenching

MINERAL BASE

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.

BÉNÉFICES

- Reduced strain and crack risks
- Excellent thermic shock resistance thanks to its high quality additives
- Reduced calefaction area
- Reduced fire risks thanks to high flash point
- Reduced consumption thanks to its fluidity
- Excellent wetting properties
- Reinforced with antioxidant additives

PERFORMANCES

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.

TECHNICAL INFORMATION

NAME	METHOD	THERMIC TO 19 R
Couleur	Visuel	Jaune Foncé
Densité à 20°C (68°F)	ISO 12.185	0.867 kg/L
Viscosité à 40°C (104°F)	ASTM D445	28,0 mm²/s
Point éclair	ASTM D92	218,0 °C
Self-Ignition Point	ASTM D92	246,0 °C
Cooling speed		Accelerated
Storage		in frost-free, dry place

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.

RECOMMENDATIONS

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.

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. The safety data sheet of this product is available at www.motul.com