

THERMIC TO 20 R

Heat Treatment

DESCRIPTION

THERMIC TO 20 R is a highly accelerated cold quenching oil, with a high flash point, used for heat treatment of complexly shaped steel parts for engineering.

RECOMMENDED APPLICATIONS

THERMIC TO 20 R is recommended for the quenching of steels or alloyed steels that have a low hardening capacity.

- Medium-hard carbon steels XC 38, XC 48: Screws, bolt-and-nut, sharpening gun.
 - Low alloyed steels 20 NC 6
- Parts with complex geometry, are sensitive to quenching cracks, large parts.

THERMIC TO 20 R is suitable for heated salt baths, furnace loads, passing, loose parts.

ADVANTAGES

- Reduces strain and crack risks.
- Excellent thermic shock resistance.
- Economical product, due to its fluidity at working temperature.
- Reduces the calefaction area.
- Reduces fire risks due to its high flash point.

TECHNICAL INFORMATION

CHARACTERISTICS	METHOD	UNIT	THERMIC TO 20 R
Color			Clear
Density at 20°C	ISO 12.185		0.849
Viscosity at 40°C	ASTM D445	mm ² /s	21.6
Flash point	ASTM D92	°C	200
Ignition point	ASTM D92	°C	236

The specifications are given for information purposes only and may need to change.

PROPERTIES

- Accelerated cold quenching oil
- Range of working temperature: 30 - 90°C
- Excellent wetting properties
- Highly reinforced oxidation resistance
- Stable quenching power