

Technical Data Sheet

KRONES celerol HT 7802

Description and fields of application

KRONES celerol HT 7802 is designed for closed circuit and pressureless heat transfer systems. KRONES celerol HT 7802 is registered by NSF (Class HT1) for use where there is potential for incidental food contact. In addition, KRONES celerol HT 7802 meets the criteria of the certified enviro sustainability program.

Among others, its declared strengths are:

- Wide temperature range for application
- High temperature and oxidation stability
- Neutral odour and taste

Application:

Heat transfer systems with a bulk oil temperature range of approximately -10 °C to max. +325 °C where the surface temperature of the heating elements (oil film temperature) should not exceed +340 °C.



Technical Data

Colour:	colorless
Density at 20°C; ISO 12185:	approx. 0.86 g/cm ³
Specific Heat at +40°C (ASTM-E-1269-01)	1,76 kJ/kg.K
Specific Heat at +100°C (ASTM-E-1269-01)	2,03 kJ/kg.K
Specific Heat at +200°C (ASTM-E-1269-01)	2,37 kJ/kg.K
Kinematic viscosity at 40°C; ISO 3104:	approx. 35 mm ² /s
Kinematic viscosity at 100°C; ISO 3104:	approx. 5,8 mm ² /s
Pour point; ISO 3016:	-18°C
Flash point; ISO 2592:	+218°C
Fire point; ISO 2592:	+256°C
Max. oil film temperature*	+340°C
Max. bulk oil temperature	+325°C

* Oil film temperature is the surface temperature of the heating elements.

Data on usage temperature are guide values which are based on the lubricant structure, the defined purpose of use, and the application technology. Depending on the type of mechanical strain, on temperature, pressure and time, greases change their consistency, apparent viscosity or viscosity. This change of product feature can affect the functions of components. All data are average values. The usual tolerances are valid.

Minimum shelf life

The minimum shelf life is approx. 36 months if the unopened packs are stored in a dry and frost-free place from the date of production.

Material safety data sheet

The current material safety data sheets can be requested at KIC KRONES at any time.

Disposal note

Lubricants and empty packs are to be disposed of via authorized collection points. Lubricants must not reach the environment.

The contents of this product information are based on our general experience and to the best of our knowledge at the time of printing. The product information should provide hints for possible applications to the technically experienced reader. However, the product information is not intended to guarantee any properties of the described product, nor the suitability of the product for individual applications. It does not release the user from testing the selected product prior to application. We recommend individual consultation and are happy to provide samples on request, if possible. KRONES celerol products are continuously developed. We therefore reserve the right to change all technical data of this brochure at any time without notice.