

Technical Data Sheet

KRONES celerol L 7003

Description and fields of application

KRONES celerol L7003 is a partly synthetic high-performance grease on the basis of polyalphaolefin with a mineral oil percentage. The combination of calcium complex soaps and polymers enables good pumpability in central lubrication systems and outstanding adhesion. KRONES celerol L7003 was specially developed for friction points in very sophisticated machines, such as e.g. stretch blow moulders.

KRONES celerol L7003 is NSF H1 registered thus meeting strict requirements of the "Guidelines of sec. 21 CFR §178.3570 of FDA regulation". Therefore it is suitable for applications in the food industry where incidental contact of the lubricant with the product cannot be fully excluded. In addition, KRONES celerol L7003 meets the criteria of the certified environmental sustainability program.

Among others, its declared strengths are:

- Pumpability in central lubrication systems
- Excellent protection against corrosion and wear
- High-tech adhesion agents prevent spinning off.
- Good oxidation and water stability

Technical Data

Baseoil:	Polyalphaolefin
Thickener:	Calcium complex soap
Colour:	Light brown
Structure:	Homogeneous
Odour:	Odourless
Density at 15°C; DIN 51757:	approx. 0.98 g/cm ³
Kinematic viscosity at 40°C; ISO 3104:	280 mm ² /s
Kinematic viscosity at 100°C; ISO 3104:	30 mm ² /s
Worked penetration at 25°C; 0.1 mm; DIN/ISO 2137:	310 – 340
NLGI grade; DIN 51818:	1
Lower service temperature:	-35°C
Upper service temperature:	+120°C
NSF H1 registration:	144516

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.

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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.