

perma FOOD SYN 220 (S070)

Previous name: perma Food grade oil H1 S070

SYNTHETIC LUBRICATING OILS FOR THE FOOD-PROCESSING AND PHARMACEUTICAL INDUSTRIES

perma FOOD SYN 220 (S070) is a lubricant for the food processing and pharmaceutical industry. It meets the requirements of the governing food products and associated ancillaries (LMBG, sec. 5, para 1, sentence 1) and the US requirements set forth in the „Guidelines of sec. 21 CFR 178.3570 of FDA regulations“ and is in line with the requirements of NSF H1 registration. Especially formulated for use in the food-processing and pharmaceutical industries, this lubricating oil exhibits good antiwear and EP properties as well as excellent low-temperature characteristics. The corrosion protection properties of this oil are very good as the ageing and oxidation stability. It also has a high resistance to shear and does not foam.

Advantages



SYNTHETIC OIL FOR THE FOOD- AND PHARMACEUTICAL INDUSTRY



NSF H1-REGISTRATION



WIDE OPERATING TEMPERATURE RANGE



EXCELLENT AGEING AND OXIDATION STABILITY



GOOD WEAR PROTECTION



GOOD CORROSION PROTECTION



NEUTRAL TOWARDS SEALS AND PAINTS

Application

perma FOOD SYN 220 (S070) is used for the lubrication of friction points in food-processing and pharmaceutical machinery. It is especially suitable for the lubrication of spur, bevel and worm gears, bearings, spindles and joints, as well as of lift, drive and conveyor chains at low temperatures.

APPLICATION INFORMATION

perma FOOD SYN 220 (S070) is a lubricant especially developed for perma lubrication systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in perma lubrication system. perma FOOD SYN 220 (S070) is miscible with mineral oils and polyalphaolefin oils. However, we recommend cleaning the oil circulation system or flushing it with the new oil prior to using perma FOOD SYN 220 (S070) for the first time. Especially with a view to the H1 requirements in the food-processing industry, any mixing of perma FOOD SYN 220 (S070) with non-food-grade lubricants should be avoided. For permanent temperatures at the seal edge up to 80 °C, NBR seals may be used. For higher temperatures, it is safer to use FKM seals instead.

SHELF LIFE

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

PACKAGING

- perma lubrication systems
- Bottle 1 ltr
- Bottle 5 ltr

Product data

Base oil	Ester PAO
ISO VG DIN 51519	220
Cinematic viscosity, DIN 51561, at 40 °C, mm ² /s at 100 °C, mm ² /s	220 26
Colour	Colorless
Density, DIN 51757, at 20 °C, g/cm ³ , approx.	0.85
Viscosity index, DIN ISO 2909	150
Pourpoint, DIN ISO 3016, °C.	< -30
Service temperature range, °C	- 30 to 120
Compatibility with elastomers	
Towards 72 NBR 902 at 100 °C / 168 h change in volume % change in hardness (Shore A), approx.	+2 0
Towards 75 FKM 585 at 130 °C / 168 h change in volume % change in hardness (Shore A), approx.	+1 -1



Gears



Sliding bearings



Spindles



Chains