

perma FOOD AX SYN 150-1 (SF10)

Previous name: perma Food grade grease H1 SF10

PREMIUM FOOD GRADE MULTIPURPOSE GREASE

perma FOOD AX SYN 150-1 (SF10) grease is based on PAO synthetic base oil and aluminum complex soap thickener. The grease contains extreme pressure (EP), anti-wear (AW), anti-oxidation and anti-corrosion additives.

perma FOOD AX SYN 150-1 (SF10) grease is H1 certified for the food and pharmaceutical industries and is suitable for general rolling bearing applications including conveyors, slurry and process pumps, fans and blowers.

Advantages



GOOD MECHANICAL STABILITY

Mechanical stability is the grease thickener resistance to softening and leaking under stress. Good mechanical stability is essential for long grease service life, retention in bearing contact zones and preventing contaminant entry.



GOOD ADHESION ON METAL SURFACES

Good adhesion aids retention in bearing contact zones and preventing contaminant entry, contributing to good lubrication conditions.



GOOD PUMPABILITY AND WIDE SERVICE RANGE

Good pumpability assists in predicting grease dispensing outcomes for perma lubrication systems installed and operated within recommended guidelines. The NLGI 1 grease with synthetic base oil ensure excellent pumpability at very low temperatures.



GOOD WEAR PROTECTION

Good mechanical stability and adhesion aid grease retention under loading. AW additives reduce friction and provide wear protection where metal-to-metal contact occurs.



GOOD WATER WASH-OUT RESISTANCE

Good mechanical stability and good adhesion contribute to water wash-out resistance. Thickener type and anticorrosion additives provide additional performance benefits in wet environments.



GOOD PROTECTION AGAINST OXIDATION

Oxidation is the primary way a lubricant degrades in normal service. The PAO synthetic oil provides enhanced oxidation resistance at high operating temperatures and antioxidant additives further prolong the service life of the base oil.

Application

perma FOOD AX SYN 150-1 (SF10) grease is an NSF H1 registered multipurpose lubricant suited for the lubrication of rolling bearing, plain bearing, slides and radial shaft seal applications. The grease is suited to general bearing and other applications where incidental and unavoidable contact with products and packaging may occur in the food processing, pharmaceutical, cosmetic and animal feed industries. We recommend conducting risk analysis such as HACCP prior to using this lubricant.

TYPICAL APPLICATIONS INCLUDE

- Conveyor pulley bearings and seals
- Process pump bearings and seals
- Blower and fan bearings
- Packaging equipment in food, beverage and dairy plants
- Gearbox seals

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.

Product information

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Product data

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| perma Product Name | FOOD AX SYN 150-1 (SF10) |
| perma Grease Code | SF10 |
| NLGI Grade | 1 |
| Color | Beige |
| Thickener | Aluminum Complex |
| Base oil | Synthetic Oil |
| Base oil viscosity, DIN 51562 at 40 °C, mm ² /s at 100 °C, mm ² /s | 150 22 |
| Speed index, (n x dm) | 500,000 mm/min |
| Dropping Point (ASTM D 2265) | > 482 °F / > 250 |
| Min working temperature | -49 °F / -45 °C |
| Max working temperature | 248 °F / 120 °C |
| Worked Penetration – 0,1 mm (ASTM D 217) | 310 - 340 |
| Oil Separation, % loss (ASTM D 6184) | 6 % |
| Timken OK Load, Lbs. (ASTM D 2509) | 11 lbs / 5 kg |
| 4 Ball Weld (ASTM D 2596) | 540 lbs / 245 kg |



Conveyors



Pumps



Blowers | Fans