

FMS 110

GREASE

Silicone Grease for Food Processing Machinery

Applications

- Lubricant for O-rings, packings, rubbers, gaskets, miniature bearing seals to provide resistance to water, chemicals, oxidation and provide thermal stability
- Lubrication of pneumatic control valves, fire extinguishers and water softener valves
- Sealant and lubricant for glass joints and stopcocks in normal as well as high vacuum systems
- Lubricant for pressure lubricated plug valves, flow meter bearings, ceramic plug cocks
- Sealant for vacuum and pressure systems
- Sealant between synthetic rubber or plastic parts to prevent them from sticking in vacuum or pressure systems
- Chemical barrier and resistant coating for chemical processing equipment
- Damping media for dash pots in electrical and electronic equipment
- Assembly agent for holding rubbers and other parts due to its highly tacky nature
- All ingredients are non-toxic and meet requirements of NSF H-1(lubricants with incidental food contact)

Benefits

- **NSF H-1 Registration Certificate # 158628**
- Wide service temperature range from -50°C to +250°C
- Very good oxidation resistance
- Completely resistant to water, steam, humidity and corrosives
- Low vapor pressure and low volatility
- Compatible with plastics, rubbers, elastomers, and other gasketing and O-ring seal materials
- Prevents age hardening, stress cracking and maintains resilience of plastics
- Non gumming, non-melting and non-toxic
- Provides good lubricating and sealing properties for rubbers and plastics
- Chemically inert and resistant to most chemicals, hot and cold water, vegetable and mineral oils, dilute acids and alkalis, glycerin, ethanol, methanol, butane, steam, natural gas, ethylene glycol, most organic and inorganic chemicals and aqueous solutions.

Directions for Use

Use as supplied. Never dilute or mix with other oil or grease. Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying.

FMS 110

GREASE

| TECHNICAL PROPERTY | | | |
|--|--|-------------------|-----------------|
| Parameter | Value | Unit | Standard |
| Type | Silicone compound | | |
| Appearance | Smooth stiff consistency grease | | |
| Base oil | Silicone | | |
| Thickener | Inorganic | | |
| Color ¹ | White, translucent | | |
| Penetration, - Unworked - Worked, 60 strokes | 180-210 200-220 | mm/10 | ASTM D 217 |
| NLGI consistency | 3 | Class | DIN 51 818 |
| Density, @ 25°C | 1 | g/cm ³ | |
| Drop point | None | °C | ASTM D 566 |
| Service temperatures | -50 to +250 | °C | |
| Water resistance, static evaluation | 0-90 | | DIN 51 807 pt.1 |
| Evaporation loss, 24h, 200°C | 2 max | % | |
| Oil separation, standard test - 168 h, 40°C | <3.5 | % | DIN 51 817 |
| Bleed, 24h, 200°C | <0.1 max | % | |
| Approvals | NSF H-1 Registration Certificate #158628 | | |

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

Available Packaging

1 kg, 20 kg

Shelf Life

36 months from date of manufacture in sealed condition.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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