

690



FG LUBRICANT

Description

Chesterton® 690 FG Lubricant is a high-quality, cost-effective penetrating lubricant. Used in food processing, beverage and pharmaceutical plants, 690 FG Lubricant can go where few products have gone before. The product's ultra-high purity makes it ideal wherever incidental food contact can occur, and its nonstaining features allow it to be used wherever cleanliness is critical.

690 FG Lubricant has excellent capillary action: It effectively creeps between close tolerances and provides lubrication to otherwise oil-starved areas. Its smooth lubricating film stops noise and reduces friction and wear on all types of moving equipment, thereby saving costly breakdowns and shutdowns as well as the costs for replacement parts.*

Composition

690 FG Lubricant consists of an ultra-pure, low-viscosity mineral oil. It contains no volatile solvents or other diluents, meaning users get 100% active product. The high flash point of 171°C (340°F) means workers need not be concerned with flammability, which is not the case with many conventional products utilizing low flash point solvents as extenders and diluents.

All of the raw materials used in 690 FG Lubricant are of extremely high purity. They are NSF registered and comply with Food and Drug Administration (FDA) additives regulations for incidental food contact numbers 178.3620 and 178.3570. The product is rated as an H1 lubricant and can be used in all federally inspected meat and poultry plants, beverage bottlers and pharmaceutical plants.

Typical Physical Properties

ISO VG	(ASTM D 2422, DIN 51 519)	22
Appearance		Clear, Liquid
Odor		None
Specific Gravity 20°C (68°F)		0,88
Viscosity, cSt at 40°C (104°F)	(ASTM D 445, DIN 51 561)	22
Falex	(ASTM D 3233)	
Weld Load		5573N, 568 kg (1250 lbs)
Coefficient of Friction		0.08
Four Ball Wear Test	(ASTM D 2266, DIN 51 350)	
Scar Diameter		0.44 mm
Load Wear Index		31.62
Weld Load		1236N, 126 kg (277 lbs)
Operating Temperature		-9°C to 120°C (15°F to 250°F)
Pour Point	(ASTM D 97, ISO 3016)	-40°C (-40°F)
Flash Point	(ASTM D 92, ISO 2592)	171°C (340°F)

Applications

690 FG Lubricant is made of ingredients conforming to applicable FDA standards for incidental contact areas. 690 FG Lubricant is suitable for use in federally inspected meat and poultry plants.** It is also used where a clean, nonstaining lubricant is required, including textile and pulp & paper plants. Suggested uses include all types of processing equipment where incidental food contact can occur.

- Canning and bottling machinery
- Carton-filling machinery
- Paste and sauce fillers
- Meat-packing equipment
- Fruit feeders
- Bakery equipment
- Cams and rotary fillers
- Mixers
- Stainless steel pumps
- Metering pumps/valves
- Pneumatic equipment
- Steel conveyor belts and rollers
- Chain drives
- Pistons, rollers, bearings

Features

- Conforms to FDA standards (CFR 178.3620, 178.3570)
- Clear, colorless, odorless
- High flash point of 171°C (340°F)
- Environmentally friendly aerosol packaging
- NSF H1 - Registration number 133969 (bulk) and 133933 (aerosol)

Benefits

- Save production time
- Reduce labor costs
- Reduce maintenance costs
- Save the cost of replacement parts
- Prolong the life of machinery and parts
- Significantly reduce power consumption
- Pinpoint spray means no product waste
- Save excess product costs
- Safe to use; easy to use

* For food processing equipment and nonstaining applications requiring a long-lasting grease, use Chesterton® 622 White Grease or Chesterton® 629 High Temperature White Grease.

** For food contact applications requiring higher temperatures, use Chesterton® 660 Silicone Lubricant, which can handle temperatures as high as 205°C (400°F).

Directions

Bulk 690 FG Lubricant can be applied using spray equipment, squirt oilers or oil cans.

The product can also be applied from its convenient aerosol dispenser. Using its pinpoint spray, apply evenly and allow just one minute for deep penetration. Apply only once to reach the rusted areas. Its pinpoint spray puts the lubricant where it should be applied, without waste. No need for a second application. Avoid excess production downtime and labor costs associated with repeated applications.

Safety

Before using this product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet in your area.

Technical Data reflects results of laboratory tests and is intended to indicate general characteristics only. A.W. CHESTERTON COMPANY DISCLAIMS ALL WARRANTIES EXPRESSED, OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE. LIABILITY, IF ANY, IS LIMITED TO PRODUCT REPLACEMENT ONLY.



DISTRIBUTED BY:

860 Salem Street
Groveland, Massachusetts 01834 USA
Telephone: (781) 438-7000 • Fax: (978) 469-6528
www.chesterton.com

© 2014 A.W. Chesterton Company.
® Registered trademark owned and licensed by
A.W. Chesterton Company in USA and other countries.

FORM NO. 074250

REV. 12/14