

PURITY™ FG CLEAR FOOD MACHINERY GREASE

Introduction

PURITY™ FG CLEAR Grease is an advanced colourless lubricant specially formulated to deliver superior performance and food grade purity under the highly demanding conditions of food processing operations.

PURITY FG CLEAR Grease provides outstanding lubrication and pumpability over a wide range of temperatures, and exceptional resistance to water washout and water jet spray loss.

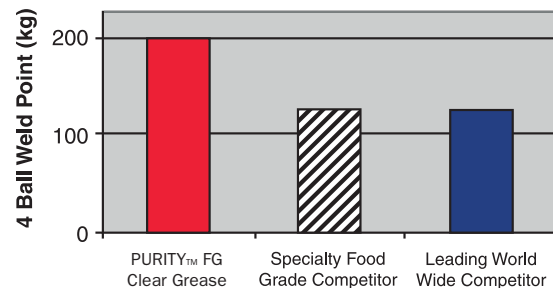
PURITY FG CLEAR Grease also provides excellent protection of gears, bearings and equipment from wear and corrosion.

Superior Performance Benefits

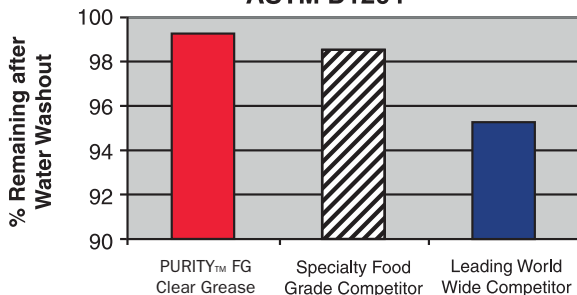
- **Superior resistance to lubricant breakdown in harsh operating environments**
 - Maintains consistency and lubrication in the presence of food acids, juices and by-products
 - Does not run from bearings under steam cleaning
 - Highly resistant to water washout, water jet spray, and most sterilizing chemicals used in cleaning

- **Effective across a wide range of temperatures**
 - Will not run from bearings near ovens
 - Pumpable at low temperatures
 - Ideal for heavily loaded bearings operating under wide temperature swings
- **Excellent protection of gears, bearings and equipment**
 - Helps to prevent seizure, scuffing and spalling with its protective load carrying capacity

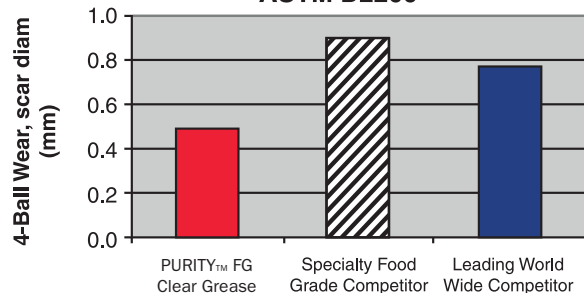
**Extreme Pressure Protection
ASTM D2596**



**Resistance to Water Washout
ASTM D1264**



**Extreme Pressure Protection
ASTM D2266**



- **Long-term equipment protection from rust and corrosion**
 - Helps to prevent bearing, gear and equipment damage in moist or wet operations
- **Colourless, non-staining performance**
 - Does not stain food, clothing, wood or porous materials

Food Grade Approved

- **Fully approved for use in and around food processing areas**
 - H1 registered by NSF
 - All components comply with FDA 21 CFR 178.3570 “Lubricants with incidental food contact”



**Nonfood Compounds
Program Listed H1**

- Fits perfectly in HACCP (Hazard Analysis and Critical Control Point) and GMP (Good Manufacturing Practice) Plan
- Pending Registration by the Canadian Food Inspection Agency for use in registered food processing plants
- Certified Kosher and Pareve by Star K
- Certified Halal by IFANCA

- **Free of genetically modified substances (GMS)**
- **Maintains food allergy safety**
 - Free of gluten
 - Does not contain and is manufactured in a facility that does not manufacture, store or otherwise handle any nuts, sesame seeds, milk, eggs, fish and shellfish, soy, wheat and sulphites
- **Zinc Free**

Applications

PURITY FG Grease is specially formulated for the food industry for use in anti-friction bearings, slides, guides and couplings throughout food processing plants. It is specifically formulated for beverage production machinery such as canning and bottling equipment.

Typical Performance Data

PROPERTY	ASTM Test Method	DIN Test Method
NLGI Grade	-	2
Grease Type	-	Aluminium Complex
Penetration, Unworked	D217	299
Worked 60 strokes	D217	293
Worked 10,000 strokes	D217	4
Colour	-	Clear
Odour	-	Neutral
Dropping Point, °C / °F	D2265	277/530
Water Washout Resistance, % @ 79°C / 174°F	D1264	0.75
Water Spray Resistance, % loss	D4049	27.7
Extreme Pressure Protection		
Timken, kg/lb	D2509	9/20
Four Ball Wear, scar diam (mm)	D2266	0.49
Four Ball Weld, kg	D2596	200
Load Wear Index	D2596	41.2
Corrosion Protection:		
Copper Corrosion	D4048	1A
Bearing Corrosion	D1743	Pass
Oxidation Stability:		
Pressure drop after 100 hours, kPa / PSI	D942	7/1
Base Oil Viscosity		
cSt @ 40°C / SUS @ 100°F	D0445	185/857
cSt @ 100°C / SUS @ 210°F	D0445	18/89
Base Oil Pour Point, °C / °F	D0097	-12/10
Operating Temperature Range, °C / °F	-	-20 °C to 160 °C / -4 °F to 320 °F
Minimum dispensing temperature, °C / °F	-	-20/-4

The values quoted above are typical of normal production. They do not constitute a specification.

Health and Safety

To obtain Material Safety Data Sheets (MSDS), contact one of our TechData Info Lines.

TechData Info Lines

If you would like to know more about Petro-Canada PURITY FG Grease, or any other product in our complete line of quality lubricants, please contact us at:

Lubricants Head Office
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