625

CXF

Corrosion Resistant, Extreme Pressure Grease-Food Grade

Description

Superior resistance to washout by water, caustics, sanitizing cleaners, process fluids and steam has been combined with high purity USP White Mineral Oil to produce Chesterton® 625 CXF suitable for Food, Beverage and Pharmaceutical use. As a premium quality, water resistant grease, 625 will not be removed even in severe water washout situations. With a dropping point of 318°C (604°F), it will not melt and run out within recommended operating parameters.

625 is NSF Registered H1 and complies with FDA regulations 178.3570. It can be the exclusive lubricating grease used in food, beverage, meat, poultry and pharmaceutical plants.

Chesterton 625 CXF is virtually non-staining. Grease stains on floors and packaging equipment can be substantially reduced. Use 625 to lubricate packaging machinery and paper converting equipment.

Chesterton 625 CXF is essentially tasteless and odorless. It is ideal as a maintenance or production lubricant used in food processing equipment, mixing, filling, packaging and production machinery.

Chesterton 625 contains no animal fats or oils which could become rancid and support biological growth. Further, it contains no heavy metals which could mandate hazardous warnings and restrict use.

Composition

Chesterton 625 is made using the highest quality, USP grade white mineral oil base stock available. Selected synthetic polymers and base oil are thickened with a proprietary, patent protected, sulfonate complex thickener. Anti-oxidant, extreme pressure (EP) and anti wear (AW) additive package gives Chesterton 625 superior washout resistance, shear stability, fatigue and anti-wear properties.

Fortification with microscopic dispersion platelet-like particles of polar and non-polar lubricating additives benefits to Chesterton 625 CXF on several accounts:

Typical Physical Properties	625 CXF
Appearance	Light Tan
Consistency, NLGI (DIN 51 818)	2
Texture	Smooth, Buttery
Specific Gravity, 25°C	0.95-1.05
Oil Base	USP White, Food Grade Mineral Oil
Thickener	Proprietary, Non-Melting, Sulfonate Complex
Lubricating Additives	Non Heavy Metal, Extreme Pressure and Anti-Wear, Anti-Fretting Additives, Surface Reactive Anti-Rust and Corrosion Additives, Oxidation Inhibitors
Service Temperature Range above 170°C, increased re-lubrication frequency required.	-30°C (-22°F) to 204°C (400°F)
Dropping Point (ASTM D 2265, DIN 51 801/1)	318°C (604°F)
Penetration (ASTM D 217, DIN ISO 2137)	265-295
Worked Stability (ASTM D 217) % Change	
10,000 strokes	-1.0
100,000 strokes	-2.5
Oil Separation, % loss (ASTM D 1742)	0.2
Four Ball E.P. (ASTM D 2596, DIN 51 350/4) Load Wear Index	92
Weld Load, Kg (N)	620 (6080)
4 Ball Wear (ASTM D 2266, DIN 51 350/5), Scar, mm 40kg, 1200rpm, 75°C, 1 hr.	0.38
Timken Load (ASTM D2509)	29.5 kg (65 lbs.)
Bearing Life Performance (ASTM D 3527), hours	180
Bomb Oxidation (ASTM D 942), psi drop, 1000 hours	9.0
Base Oil Viscosity, (ASTM D 445, DIN 51 561)	
40°C	95 cSt
100°C	11 cSt
Viscosity Index, VI	97
Water Washout (ASTM D 1264) 79°C (175°F)	<0.05
Corrosion Resistance (ASTM B 117), 5% NaCl	>1000 hrs @ 50 micron film thickness
Copper Corrosion (ASTM D 4048, DIN 51 811)	0/1B
ISO/DIN Classification	ISO-L-XC E I B2/DIN 51 502-K LP 2 P1-30

- Enhances Lubricity — low coefficient of friction translates to better lubricity, less machine wear.
- Increases load carrying capacity — Micron sized additives fuse to the surfaces and help protect machinery under extreme pressure.
- Adds another safety factor as they will provide temporary lubrication in the event of grease burn off.

Chesterton's unique QBT™, Quiet Bearing Technology™ smoothes surface asperities and reduces bearing "noise" as measured by mechanical or acoustical signature.

Further, Chesterton 625 virtually eliminates one of the major causes of bearing failure...Corrosion. 625 CXF offers unique corrosion protection, more than 10 times longer protection against rust

than conventional food greases when measured by ASTM standard test methods.

Chesterton® 625 CXF is chemically stable and is non-reactive with all metals, rubber and plastics.

Applications

- Lubrication of slides, guides, plain bearings and bushings
- All types of anti-friction bearings, roller bearings and ball bearings
- Grease-lubricated chains
- Gears and cams
- Motor Operated Valves
- Couplings, joints and splined shafts

And other moving parts of equipment used in the manufacture of food, drugs, cosmetics, beverages such as:

- Bottle and carton filling
- Paste and sauce fillers
- Conveyer belts and rollers
- Feeders, mixers and agitators
- Canning machines, seamers

Features

- Virtually impervious to water and steam
- USP White Oil Base Fluid
- Smooth, Buttery Texture
- Adheres to Metal
- Water and Corrosion resistant
- NSF H1 - Registration number 138414
- FDA Compliant
- Virtually Tasteless and Odorless
- Speed Rating, DN to 500,000

Suggested Uses

Use in all applications where conventional greases break down under shear, thermal abuse, shock loading and water contamination.

Chesterton 625 CXF can be used wherever food-grade grease is required.

Directions

Chesterton 625 CXF can be applied by injection with a grease gun, centralized system or by hand packing. 625 will not separate or harden in centralized dispensing lines.

Consult for grease compatibility with other technologies.

Safety

Keep out of reach of children. Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

CHESTERTON®
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