

# 629

## High Temperature White Grease

### Description

Superior resistance to washout by water, caustics, sanitizing cleaners, process fluids and steam has now been combined with high temperature performance to produce Chesterton® 629 High Temperature White Grease.

As a premium quality, water resistant grease, 629 will not be removed even in severe water washout situations. With a dropping point over 260°C (500°F), it will not melt and run out.

629 is USDA accepted and complies with FDA regulations 178.3570 and 177.1550. It can be the exclusive lubricating grease used in food, beverage, meat, poultry and pharmaceutical plants.

Chesterton 629 High Temperature White Grease is non-staining. Grease stains on floors, equipment, and packaging containers can be substantially reduced. Use 629 to lubricate textile machinery and paper converting equipment to virtually eliminate quality control rejects due to grease staining.

Chesterton 629 is essentially tasteless and odorless. It is ideal as a maintenance or production lubricant used in food processing equipment. 629 contains no animal fats or oils which could become rancid.

### Composition

Chesterton 629 is made using the highest quality, pure mineral oil.

A proprietary thickener and additive package gives 629 superior washout resistance, shear stability, and anti-wear properties.

Fortification with Teflon\* provides benefits to Chesterton® 629 High Temperature White Grease on several accounts:

### Typical Physical Properties

Appearance	White, Translucent
Consistency, NLGI	2
Texture	Smooth, Tacky
Specific Gravity	0.8
Oil Base	White Mineral Oil
Thickener	Proprietary, Non-Melting Complex
Lubricating Solids	Micronized Teflon Powder
Service Temperature Range	-34°C (-30°F) to 204°C (400°F)
Dropping Point (ASTM D 2265)	260°C+ (500°F)+
Penetration (ASTM D 217)	255-275
Four Ball E.P. (kg) (ASTM D 2596) Load Wear Index/Weld	48.6/160
Base Oil Viscosity, (ASTM D 445) 38°C (100°F)	350 SSU
Water Washout (ASTM D 1264) 79°C (175°F)	0.1-0.2%

■ Enhances Lubricity - Teflon's low co-efficient of friction translates to better lubricity, less machine wear.

■ Increases load carrying capacity - Micron sized Teflon particles help protect machinery under extreme pressure.

■ Adds another safety factor - Teflon will provide continued temporary lubrication in the event of grease burn off.

Chesterton® 629 High Temperature White Grease is chemically stable. Components are all nonreactive with metal, rubber and plastics.

### Suggested Uses

Use in all applications where conventional greases break down under shear, thermal abuse, or shock loading. Chesterton 629 High Temperature White Grease can be used wherever food-grade grease is required. Its functionality at higher temperatures and its translucent color provide added versatility.

### Typical Applications

■ Lubrication of slides, guides, plain bearings and bushings.

■ All types of anti-friction bearings.

■ Grease-lubricated chains.

■ Gears and cams.

■ Joints and spline shafts.

Other moving parts of equipment used in the manufacture of food, drugs and cosmetics such as:

- Bottle and carton filling machinery
- Paste and sauce fillers
- Conveyer belts and rollers
- Fruit feeders
- Canning machinery

### Features

■ Virtually impervious to water and steam

■ Dropping point over 260°C (500°F)

■ Teflon\* Fortified

■ Smooth Tacky Texture

■ Adheres to Metal

■ USDA Authorized

■ FDA Compliant

■ Tasteless

■ Odorless

\* DuPont Registered Trademark

**Directions**

Chesterton® 629 High Temperature White Grease can be applied by injection with a grease gun, or by hand packing.

**Storage**

Do not smoke while using. Keep hands away from any tobacco product. Wash hands before smoking. At temperatures above 260°C (500°F), fumes are evolved which may be harmful. Keep out of reach of children. Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.



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