

# 785 FG



## PARTING LUBRICANT

### Description

Chesterton's 785 FG Parting Lubricant represents the newest generation of food and pharmaceutical anti-seize compounds. A white soft-paste, formulated with proprietary blend of ultra-fine inorganic solids lubricants, is a high quality thread lubricant and assembly paste. 785 FG is manufactured with ingredients that meet FDA requirements for incidental food contact.

Because 785 FG Parting Lubricant utilizes a synthetic non-carbonizing base, the product can be used over a broad temperature range. Hardening will not occur when used between -34°C to 1204°C (-30°F to 2200°F).

### Composition

Chesterton 785 FG Parting Lubricant was formulated using unique proprietary solid lubricants. The ultra-fine particles spread evenly to fill surface profiles, prevent metal-to-metal contact and ensure thorough coverage. The particle's geometry allows them to roll over each other and coat metal surfaces, such as stainless steel, to prevent galling of threaded parts and mating surfaces during assembly. Chesterton's 785 FG Parting Lubricant protects assembled parts against corrosive effects of moisture, steam, saltwater, temperature and corrosive chemicals.

### Suggested Uses

Bolts, screws, studs, pipe threads, pump sleeves, and splines. Use in food, pharmaceutical, bakeries, breweries, and dairy – all industries where food contact can occur or where a white color is important.

### Typical Physical Properties

Appearance	White
Form	Soft, paste
Specific gravity	1.28
Average particle size	< 25 microns
Dropping point (ASTM D 556, ISO 2176)	> 225°C (437°F)
Copper corrosion (ASTM D 130, DIN 51 811)	None, 24 Hrs. @100°C (212°F)
Coefficient of Friction "K" factor	0.19
Coefficient of Friction (ASTM D 2266) 40kgf, 1200 rpm	0.15
Penetration (ASTM D 217, ISO 2137) mm/10	Worked 370
	Unworked 360
Temperature Range	-34°C to 1204°C (-30°F to 2200°F)

### Applications

785 FG is made of ingredients conforming to applicable FDA standards for direct or incidental food contact. It is NSF registered H1 and is suitable for use in federally inspected meat and poultry plants. It is ideal where a white, non-staining lubricant is required, including textile, and pulp and paper applications. Suggested uses include all types of processing equipment where incidental food contact can occur:

- Bottle filling equipment
- Canning – filling machinery
- Canning and bottling machinery
- Carton – filling machines
- Paste and sauce fillers
- Meat – packing equipment
- Fruit feeders
- Bakery equipment

### Features

- No toxic heavy metals
- Non-staining, White color
- Water and chemical resistant
- Broad service temperature range
- Balanced coefficient of friction
- Ultra-fine particles
- Contains no PTFE
- NSF H1, Registration # 132237
- Conforms to FDA 21 CFR 178.3570

### Benefits

- Safe for workers
- Usable under most extreme conditions
- Fills microscopic voids in metal surfaces
- Prevents galling of stainless steel and aluminum assemblies
- Aids press fit assemblies

**Directions**

Surfaces should be free from dirt, oil, grease and all other soils. Apply liberally to threads, flanges or other mating surfaces. Wipe off excess after assembly and before start up of equipment.

**Safety**

Before using product, review the Safety Data Sheet (SDS) or the appropriate safety sheet for your area.

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