

## Description

The product is a general-purpose lithium grease with a smooth, buttery texture. It is a corrosion-resistant lubricant for metal-to-metal, metal-to-plastic, and plastic-to-plastic applications.

It is useful for lubricating 3D printer mechanisms, gears, spindles, hinges, latches, tracks, pulleys, cables, machinery, tools, and equipment.

## Features and Benefits

- Reduces wear and friction
- Repels water and prevents corrosion
- Resists washout
- Broad service temperature range of -40°C to +180°C (-40°F to +356°F)
- Does not melt, run or freeze
- Non-toxic
- Silicone-free
- Plastic safe

## Usage Parameters

Properties	Value
Shelf life	5 y

## Temperature Ranges

Properties	Value
Constant service temperature	-40°C to 180°C [-40°F to 356°F]
Storage temperature limits	25°C ±5°C [77°F ±9°F]

## Properties

Flux Properties	Method	Value
Colour	Visual	Off white
Odor	-	Odorless
Density @25 °C [77 °F]	ASTM D 1475	0.89 g/mL
Viscosity	-	Semi-solid
Flash point	ASTM D 92	185°C [365°F]
Boiling point	-	371°C [700°F]
Melting point	-	185°C [365°F]
Auto-ignition temperature	-	254°C [490°F]
Solubility	-	Insoluble

# Lithium Grease



Physical Properties	Method	Value
NLGI consistency grade	-	1
Cone penetration @ 25°C [77°F] <sup>a)</sup>	ASTM D 217	310-340
Dropping point	ASTM D 2265	177°C [350°F]
Base oil viscosity @40°C [104°F]	ASTM D 445	100-125 cst
Viscosity index	ASTM D 2270	95
Thickener type	ASTM D 128	Lithium 12 Hydroxy
Thickener content	ASTM D 128	4-7%
Electrical class	-	Insulator
Corrosion resistant	-	Yes

<sup>a)</sup> Worked 60 strokes.

## Compatibility

Chemical - It is compatible with a wide variety of metal, rubber, and plastic substances.

## Storage

Store within 25 ±5°C [77 ±9°F] in dry area.

## Application Instructions

### To apply the grease:

1. Wear protective gloves.
2. Clean and dry the surface being lubricated with a lint-free cloth or brush and a zero-residue cleaning solvent, such as Isopropyl Alcohol.
3. Apply an adequate amount of grease to the application area.

## Packaging and Supporting Products

Part Number	Packaging	Net Volume	Net Weight	Packaged Weight
MC011533	Tube	85 mL [2.87 fl oz]	75.6 g 2.66 oz	0.08 kg [0.18 lb]

## Part Number Table

Description	Part Number
Lithium Grease, Tube, 85ml	MC011533

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