

# 8461

## Lithium Grease

8461 is a white lithium grease with a smooth and buttery texture. It is a corrosion-resistant lithium grease for metal-to-metal, metal-to-plastic, and plastic-to-plastic applications.

Primarily, white lithium grease is used to lubricate moving parts, such as 3D printer mechanisms, gears, spindles, hinges, latches, tracks, pulleys, cables, machinery, tools, and equipment.

## Features & Benefits

- Lithium-based grease
- Reduces wear and friction
- Repels water and prevents corrosion and resists
- Resists washout
- Does not melt, run or freeze
- Non-toxic
- Silicone-free
- Plastics-safe

## Storage and Handling

Store between 0 and 27 °C in a dry area, away from sunlight (see SDS).

## Properties

Color	Off-white	—
Filler	Zinc oxide	—
Thickener Type	Lithium 12 Hydroxy	ASTM D128
Thickener Content	4–7 %	ASTM D128
Density	0.9 g/mL	ASTM D1475
Viscosity @ 25 °C	39 Pa·s	Brookfield Engineering labs Inc. IPCTM-65- Method 2.4.24.4
NLGI Consistency Grade	1	—
Cone Penetration @ 25 °C	310-340	ASTM D217
Base Oil Viscosity @ 40 °C	100-125 cst	ASTM D445
Viscosity Index	95	ASTM D2270
Dropping Point	177 °C	ASTM D2265
Service Temperature Range	-40–180 °C	—
Shelf Life	5 y	—

**Disclaimer:** This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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## Available Packaging

Part #	Packaging	Net Vol.	Net Wt.
8461-85ML	Tube	85 mL	75.6 g