

# 8463A



## Silver Grease

8463A is a highly conductive electrical lubricant that uses a specially formulated silver-coated aluminum flake. It is a highly cost-effective alternative to silver-filled grease yet has superior electrical and thermal properties compared to carbon-based greases. It fills voids between adjoining parts, ensuring a continuous electrical path to enable the flow of current.

8463A is excellent for ground connections, rotating connections, rotary switches, variable capacitors, roller inductors, roller bearings, slip rings, slide connectors and potentiometers.

## Features & Benefits

Improves electrical connections between irregular and pitted surfaces

High service temperature range

Prevents arching, pitting, hotspots, and welds

Inhibits corrosion

Reduces mechanical wear

Compatible with metal, plastic, fiber, rubber, and more

Superior electrical contact and environmental protection



## Available Packaging

Part #	Packaging	Net Vol.	Net Wt.
8463A-3ML	Syringe	3 mL	5.53 g

## Storage and Handling

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

## Properties

Color	Greyish yellow	—
Filler	Silver-coated aluminum	—
Base Material	Silicone oil	—
Density	1.8 g/mL	ASTM D1475
Resistivity	<0.2 $\Omega \cdot \text{cm}$	GUIDE ENG V02
Thermal Conductivity @ 25 °C	1.0 W/(m·K)	ASTM D5470
Evaporation Loss, 22 h @ 165 °C	1.0 %	ASTM D2595
Oil Separation, 30 h @ 165 °C	0.11 %	ASTM D6184
Worked Penetration, ½ scale	335	ASTM D1403
Resistance, 168 h @ 25 °C		FTM 5415
Distilled Water	Pass	
50/50 Distilled Water/Ethanol	Fail	
Service Temperature Range	-70–200 °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.