

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

Cat. No.	Packaging	Net Vol.	Net Wt.
8463A-3ML	Syringe	3 mL	5.53 g

Contact Information

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Properties

Color	Greyish yellow
Filler	Silver-coated aluminum
Base Material	Silicone oil
Density	1.8 g/mL
Resistivity	<0.2 $\Omega \cdot \text{cm}$
Thermal Conductivity @ 25 °C	1.0 W/(m·K)
Evaporation Loss, 22 h @ 165 °C	1.0 %
Oil Separation, 30 h @ 165 °C	0.11 %
Worked Penetration, 1/2 scale	335
Resistance, 168 h @ 25 °C	
Distilled Water	Pass
50/50 Distilled Water/Ethanol	Fail
Service Temperature Range	-70–200 °C
Shelf Life	5 y

Storage and Handling

Store between 0 and 30 °C in dry area to minimize settling (see SDS).

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.