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

Properties

Color	Greyish yellow	
Filler	Silver-coated aluminum	
Base Material	Silicone oil	
Density	1.8	g/mL
Resistivity	<0.2	Ω·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, ½ 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).

Contact Information

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Disclaimer

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