8481

Premium Carbon Conductive Grease

8481 is a carbon-filled, silicone-free electrically conductive grease. It lubricates, reduces contact resistance, repels moisture, prevents static buildup, and is a powerful corrosion inhibitor.

This conductive grease has great conductivity with extreme environmental protection. It is excellent for ground connections, rotating connections, rotary switches, variable capacitors, roller inductors, roller bearings, slip rings, slide connecters and potentiometers.

Features & Benefits

- Improves electrical connections between irregular and pitted surfaces
- Ensures electrical contact between loose or vibrating parts
- Prevents arcing, pitting, hotspots and welds
- Reduces mechanical wear
- Excellent corrosion resistance—passed ASTM B117 salt fog test (>550 hours)
- Excellent thermal stability—will not separate

Available Packaging

Cat. No.	Packaging	Net Vol.	Net Wt.
8481-1	Tube	85 mL	85.4 g
8481-2	Jar	462 mL	465 g
8481-3	Pail	3.78 L	3.79 kg

Storage and Handling

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

Properties

Color	Black	
Filler	Carbon, graphite	
Base Material	Synthetic oil	
Density	1.0	g/mL
Viscosity	128	Pa·s
Resistivity	104	Ω·cm
Thermal Conductivity @ 25 ˚C	0.29	W/(m·K)
Evaporation Loss, 22 h @ 165 ˚C	2	%
Oil Separation, 30 h @ 165 ˚C	5	%
Water Washout @ 38 ˚C, Bearing Dried @ 77 ˚C	0.9	%
Rust Preventive, 48 h @ 52 ˚C Bearing A, B, C	Pass Pass	
Emcor Rust Test, DI Water Bearing A	0	
Salt Spray Corrosion Resistance	>550	h
Service Temperature Range	-70–165	˚C

Contact Information

MG Chemicals, 1210 Corporate Drive
Burlington, Ontario, Canada L7L 5R6

Email: support@mgchemicals.com

Phone: North America: +(1)800-340-0772
International: +(1) 905-331-1396
Europe: +(44)1663 362888

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