

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 connectors 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 thermal stability—will not separate

Storage and Handling

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

Properties

Color	Black	—
Filler	Carbon, graphite	—
Base Material	Synthetic oil	—
Density	1.0 g/mL	ASTM D1475
Viscosity @ 25 °C	128 Pa·s	Brookfield Engineering labs Inc. IPCTM-65- Method 2.4.24.4
Resistivity	104 Ω·cm	GUIDE ENG V02
Thermal Conductivity @ 25 °C	0.3 W/(m·K)	ASTM E1461
Evaporation Loss, 22 h @ 165 °C	2 %	ASTM D2595
Oil Separation, 30 h @ 165 °C	5 %	ASTM D6184
Water Washout @ 38 °C Bearing Dried @ 77 °C	0.9 %	ASTM D1264
Rust Preventive, 48 h @ 52 °C Bearing A, B, C	Pass Pass	ASTM D1743
Emcor Rust Test, DI Water Bearing A	0	IP 220
Service Temperature Range	-70–165 °C	—
Shelf Life	5 y	—



Available Packaging

Part #	Package	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

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.

MG Chemicals 1210 Corporate Drive Burlington, Ontario, Canada L7L 5R6 ISO 9001:2015 Quality Management System SAI Global File: 004008
support@mgchemicals.com **North America** +(1) 800-340-0772 **International** +(1) 905-331-1396 **Europe** +44 1663 362888 20 August 2025 / Ver. 4.0