

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 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).

Contact Information

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Properties

| | |
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| 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 |

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.