

DeoxIT® FaderGrease, DFG-213

Moving Contact Grease for Conductive Plastic Faders/Controls and other Sliding Surfaces



1. Part Nos.:

Part No.	% DeoxIT	Container	Size	Flammable/Nonflammable
DFG-213-8G	100%	syringe	8 grams	nonflammable
DFG-213-1	100%	jar	28 grams	nonflammable
DFG-213-8	100%	jar	226 grams	nonflammable

2. Formulation:

100% DeoxIT® FaderGrease DFG-213 (Mixture of silicone grease and additives)



3. Product Description:

Precision lubricant for conductive plastics, carbon-based controls and other metal-to-metal and metal-to-plastic surfaces (faders, slide potentiometers, conductive membranes - mouse pads and other mechanisms with sliding surfaces). It replenishes lubrication lost on surfaces that have been cleaned with solvents or other cleaning solutions. Use on conductive plastics and other sliding metal-plastic surfaces. Temperature range: -40°C to +200°C.

4. Features/Benefits:

100% Grease, Safe on plastics.

- DeoxIT® FaderGrease has 0.0% chemical cleaning action.
- Replaces lubrication lost that have been cleaned with solvents or other cleaning solutions.
- Damping Grease for Tactile Feel and movement
- Water resistant, wear resistant, low vapor pressure and low volatility
- Compatible with most plastics and elastomers
- Perfect for OEM's
- Excellent enhancing, excellent protection, No ozone depletion.
- Reduces intermittent connections, arcing, RFI, wear and abrasion.
- Cleaner Audio - Clearer Video - Reliable Data.**

* DeoxIT® Fader is not for metal contacts/connectors, use DeoxIT®, DeoxIT® Gold and DeoxIT® Shield for those surfaces.



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



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5. Technical Specs:

Test	Standard	Unit	Result
Color			White/light gray
Corrosive effects (metals)	AMS8660	No evidence	Pass
Dielectric strength, 50 mil	ASTM D149, AMS8660	volts/mil	325
Volume resistivity	ASTM D257, AMS8660		
@ 23° C, 500VDC		ohm-cm	1.10 x 10 ¹⁴
@ 177° C, 500VDC		ohm-cm	9.95 x 10 ¹³
Arc resistance	ASTM D495, AMS8660	Seconds	187
Dielectric constant	ASTM D150, AMS8660		
1 kHz			2.75
1 MHz			2.82
10 MHz			2.73
Thermal conductivity @ 30°C	ASTM D5470 (TIM)	W/mK	0.247
Specific heat	ASTM E2716		
@ 50°C		J/(g°C)	1.362
@ 100°C		J/(g°C)	1.435
@ 150°C		J/(g°C)	1.458
Low tem torque, -54°C			
Starting torque		gm-cm	9150
Running torque, 60 min.		gm-cm	2075
Flammability	AMS8660	Pass/Fail	Pass
Volume change rubber	ASTM D471, AMS8660	%	-0.35
SRE-NBR-28/PX			
Durometer hardness	ASTM D2240		0
Delta (80 Shore A)			
Bleed, 30 hrs at 204°C	AMS8660	%	0.2
Evaporation, 30 hrs at 204°C	AMS8660	%	0.85
Penetration, unworked	ASTM D217	mm/10	170 to 225
Penetration, worked 60	ASTM D217, ISO 2137	mm/10	260 max

6. Which DeoxIT® product do I Use:

- ▶ Use **DeoxIT® Fader/FaderGrease** to lubricate and protect conductive plastic and carbon-based controls.
- ▶ Use **DeoxIT® D-Series** contact cleaner on surfaces that have been in service or have visual signs of oxidation. Contains 20% active cleaner.
- ▶ Use **DeoxIT® Gold G-Series** conditioner on new surfaces, and gold plated surfaces. Ideal for preventing dendrite/fretting corrosion. Protects both surface and base metals. Ideal for critical applications. Contains >1% active cleaner.
- ▶ Use **DeoxIT® Shield S-Series** to protect surfaces from severe environments (humidity, salts, pollutants, sulfur, etc.). Use on clean surface. Contains 0% active cleaner.

7. Directions for Use:

1. Turn off, unplug the device.
2. If need to be cleaned (dirt, grease, spilt drink residue, etc.), apply DeoxIT® Fader F5S-H6 to flush out and remove contaminants.
3. Once surfaces are free of debris, then apply the DeoxIT® FaderGrease to the surfaces.
4. Once clean, apply a small amount of DeoxIT® Fader onto the plastic surface.
5. Operate the part/device to help distribute the DeoxIT® in the control or contact areas.



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6. **NOTES: Test for compatibility before use.** To prevent overspray or spraying in unwanted areas, you can always spray onto a lint-free swab or cloth first and then using the swab/cloth apply the DeoxIT® to the control/connector/contact surface(s). Best to treat on control/device, wait a few days. If all is good, proceed treating the rest of the devices.

8. Materials Compatibility (Plastics, Rubber, Elastomeric and Metals):

(Rating: Not compatible, Poor, Fair, Good, Excellent), (N/A = Not applicable (no solvents and propellants))

(* If the product is not 100% DeoxIT® then the package is rated before and after the solvents/propellants are applied to materials. Compatibility testing is always recommended)

Material Name	Rating (*100% DeoxIT®)	Rating (*with solvents)
ABS	Excellent	N/A
Nylon	Excellent	N/A
Lexan	Excellent	N/A
HDPE	Excellent	N/A
LDPE	Good	N/A
C.E.Phenolic	Excellent	N/A
Epoxy	Excellent	N/A
Polycarbonate	Excellent	N/A
PMMA	Good	N/A
POM	Excellent	N/A
PP	Excellent	N/A
PS	Good	N/A
PTFE	Excellent	N/A
PVC	Excellent	N/A
TPE/Rubber/Varnish	Fair	N/A

IMPORTANT:

Rating, 100% DeoxIT®: Any of the above that fall into the "Fair" and "Poor" categories should be thoroughly tested for compatibility. They may be compatible, however, it will depend on the manufacturing process of the materials. Acrylics, ABS, and polycarbonate, if under stress, may show slight cracking or crazing damage. Test for compatibility before use. On porous materials; i.e. wood, rubber, cloth, some phenolics, semi-cured materials, no liquid or solvents should be used. Occasionally, DeoxIT® will get onto unwanted surfaces, quickly wipe off surface and usually no damage will occur.

9. Shipping and Additional Information:

Hazardous: ORMD
 VOC (%): Part No. DFG-213 none

10. Other Information:

RoHS Compliant: YES
 VOC Compliant: YES
MSDS Link, DFG-213 <http://caig.com/material-safety-data-sheets/>
 DeoxIT® Product Sheet: <http://caig.com/technical-data/>





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CAIG Essential Guide:

<http://caig.com/product-literature/#toggle-id-1>

WHY DeoxIT® is Different:

<http://caig.com/product-literature/#toggle-id-9>

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