

## DeoxIT® M260 Greases Mechanical & Electrical Greases



### Product Description: CAIG offers two types of DeoxIT® Greases (Mineral-based and Lithium-based)

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**DeoxIT® Greases** are manufactured in semi-solid form for use as a combination cleaning, deoxidizing, protecting and lubricating preparation. Greases protect against oxidation (galvanic corrosion) and are free of mineral acids, sulphurs, alkalis and other noxious components aggressive to metals. DeoxIT® Greases improve performance of electrical contacts and mechanical components that require precise lubrication.

**DeoxIT® Grease Type M260 - Mineral-based preparation.** Excellent lubrication, good wear resistance, excellent oxidation (galvanic corrosion) protection and good dripping-point characteristics. Operating temperatures: -40°C to 260°C

**DeoxIT® Grease Type L260 - Lithium-based preparation.** Good lubrication, excellent wear resistance, excellent pressure resistance, excellent oxidation (galvanic corrosion) protection, high dripping-point characteristics. Operating temperatures: -40°C to 260°C.

### Grease Types: DeoxIT® Greases are offered with or without particles.

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1. **NO particles** = Soft, thixotropic grease for lubrication and protection of surfaces. Maximum lubrication for relatively clean surfaces.
2. **COPPER particles (M260Cp and L260Cp)** = Use when you require particles (conductive) to assist in oxide and corrosion breakup and need good lubrication. Copper is conductive. Use in areas that two contacts will not touch and possibly short. Example: disconnect switches or large connectors and relays.
3. **ALUMINUM particles (M260Ap and L260Ap)** = Use when aluminum metals are involved. Use in areas that two contacts will not touch and possibly short. Example: aluminum rails, bolts, connectors.
4. **GRAPHITE particles (M260Gp and L260Gp)** = Graphite provides excellent lubricating and heat transfer characteristics. Use where lubrication is vital and heat absorption and dissipation is important.
5. **QUARTZ (M260Qp and L260Qp)** = Use when you need particles (non conductive) to assist in oxide break up and you require good lubrication and heat abrasion. Quartz particles assist in breaking up oxidation and corrosion. Quartz is nonconductive.
6. **GRAPHITE/QUARTZ (M260GQp and L260GQp)** = Use when heat transfer, lubrication and assistance is needed in breaking up oxides and corrosion. Finer particles than the copper.
7. **TEFLON (M260Tp and L260Tp)** = Use when lubrication is essential. Teflon particles are nonconductive.
8. **CUSTOM FORMULATIONS** = Contact a CAIG Associate; <http://store.caig.com/s.nl/it.l/id.7/f>

## GREASE COMPARISON CHART:

Product	Heat Resistance	Water Resistance	Oxidation Resistance *	Oxidation Dissolving
DeoxIT® M260	Excellent	Good	Excellent	Good
DeoxIT® L260	Excellent	Excellent	Excellent	Good
Lithium	Good	Good	Fair	Poor
Lithium Complex	Excellent	Excellent	Fair	Poor
Complex	Excellent	Excellent	Fair	Poor
Bentone Clay	Excellent	Good	Good	Poor
Polyurea	Excellent	Excellent	Good	Poor

\* Oxidation of lubricants can produce sludge, varnish, gum and acid.

### Features/Benefits:

#### **Safe on Plastics.**

Mineral-based preparation.

Excellent lubrication, good wear resistance, excellent oxidation (galvanic corrosion) protection and good dripping-point characteristics.

### Uses:

#### **Electrical:**

Antenna connections, battery terminals, Buss bars, commutators, conductor rails, conductors, contactors, disconnects, drying & processing equipment, high amperage/high voltage applications, industrial electrical equipment (lifts, cranes, robotics, etc.), power tools, relays & switches (heavy duty, knife, step, rotary), etc.

#### **Mechanical:**

Bearings (all types), doors (closures), drives (chain/sprockets), hatch closures, O-rings and seals, linear motion systems, plugs (threaded holes), rack & pinion assemblies, screw devices (jacks, rails), slide bushings, sliding parts, tracks/guides/rails, threaded closures, worm gears, etc.

### Types/Formulations/Part Numbers:

Type:	M260Np	(no particles)
<b>Formulation:</b>	99.5%	DeoxIT® M260Np Mineral Grease
	0.5%	Deoxidizing agent
<b>Part Nos.:</b>		
M260-N2G	100%	squeeze tube 2 g
M260-N2C	100%	cartridge 50 g
M260-N1	100%	jar 28 g
M260-N8TP	100%	grease tube 226 g
M260-N8	100%	jar 226 g
M260-N35	100%	pail 16 Kg



Squeeze Tube, 2 g



Jar, 28 g

**Type:** M260Ap (with aluminum particles)

**Formulation:** 96.5% DeoxIT® M260Np Mineral Grease  
 3.0% Aluminum particles, 600 grit (9 mm)  
 0.5% Deoxidizing agent

**Part Nos.:**

M260-A2G	100%	squeeze tube	2 g
M260-A2C	100%	cartridge	50 g
M260-A1	100%	jar	28 g
M260-A8TP	100%	grease tube	226 g
M260-A8	100%	jar	226 g
M260-A35	100%	pail	16 Kg



Jar, 226 g

**Type:** M260Cp (copper particles)

**Formulation:** 92.5% DeoxIT® M260Np Mineral Grease  
 7.0% Copper particles, -150 mesh (-105 µm)  
 0.5% Deoxidizing agent

**Part Nos.:**

M260-C2G	100%	squeeze tube	2 g
M260-C2C	100%	cartridge	50 g
M260-C1	100%	jar	28 g
M260-C8TP	100%	grease tube	226 g
M260-C8	100%	jar	226 g
M260-C35	100%	pail	16 Kg



Grease Tube, 226 g

**Type:** M260Gp (graphite particles)

**Formulation:** 96.5% DeoxIT® M260Np Mineral Grease  
 3.0% Graphite particles, -150 mesh (-105 µm)  
 0.5% Deoxidizing agent

**Part Nos.:**

M260-G2G	100%	squeeze tube	2 g
M260-G2C	100%	cartridge	50 g
M260-G1	100%	jar	28 g
M260-G8TP	100%	grease tube	226 g
M260-G8	100%	jar	226 g
M260-G35	100%	pail	16 Kg



Cartridge, 50 g (use with Grease gun, Part No. DGG-50)

**Type:** M260Qp (quartz particles)

**Formulation:** 92.5% DeoxIT® M260Np Mineral Grease  
 7.0% Quartz particles, -200 mesh  
 0.5% Deoxidizing agent

**Part Nos.:**

M260-Q2G	100%	squeeze tube	2 g
M260-Q2C	100%	cartridge	50 g
M260-Q1	100%	jar	28 g
M260-Q8TP	100%	grease tube	226 g
M260-Q8	100%	jar	226 g
M260-Q35	100%	pail	16 Kg



Grease gun (Part No. DGG-50)

**Type: M260GQp (graphite/quartz particles)**

<b>Formulation:</b>	92.5%	DeoxIT® M260Np Mineral Grease
	2.0%	Graphite
	5.0%	Quartz particles, -200 mesh
	0.5%	Deoxidizing agent

**Part Nos.:**

M260-GQ2G	100%	squeeze tube	2 g
M260-GQ2C	100%	cartridge	50 g
M260-G1Q	100%	jar	28 g
M260-GQ8TP	100%	grease tube	226 g
M260-GQ8	100%	jar	226 g
M260-GQ35	100%	pail	16 Kg

**Directions for Use:**

1. Turn off, unplug the device.
2. Clean/remove grease, dirt and other contaminations from the surfaces. Use a contact cleaner or degreaser (CAIG Labs., Part No DCC-V510 or DDW-V610).
3. Select which DeoxIT® Grease (with or without particles, see Page 1) is required for your application.
4. In extreme environmental conditions (salt, humidity, acidic, pollution), pre-treating with DeoxIT® Shield S-Series may be recommended.
5. Once surfaces are clean and pre-treated with DeoxIT® Shield (if required), apply DeoxIT® Grease onto the surfaces.
6. As an external environmental barrier (i.e. antenna connections, audio/video connections, etc.), apply liberally onto the entire surface.
7. For surface that require particles (i.e. disconnect knife switches, etc.), apply a small amount to the metal surfaces, then operate the switch to assist in break up of oxidation and corrosion. A second application may be required.
8. Turn on or energize the part/system.
9. For additional information or unique applications, contact a CAIG Associate;  
<http://store.caig.com/s.nl/it.l/id.7/.f>

**Technical Information/Specifications:**

	TYPE:	M260	L260		TYPE:	M260	L260
Flow Point, min. ....		-30°C	-30°C	Oil Type .....		Mineral	Synthetic Blend
Viscosity @ 100°F, SUS .....		763	785	Soap Type .....		None	Lithium-12 Hydroxy
ASTM Dropping Point .....		260°C	285°C	Soap %, .....			9.52
Specific Gravity @ 20°C .....		1.85	1.87	ASTM - Penetration .....		280	295
Flash Point .....		300°C	300°C	NLGI .....		2	2
<sup>1</sup> Lowest/Best Operating Temp. (general) .....		-30°C	-30°C	Deoxidizer .....		Yes	Yes
<sup>1</sup> Highest Operating Temp. (continuous duty) ...		200°C	200°C	Oxidation Inhibitor .....		Yes	Yes
Acid & Neutralization No. (mg KOH/g) .....		1.15	1.17	Corrosion Inhibitor .....		Yes	Yes
Saponification No. (mg KOH/g) .....		2.79	2.81	Texture .....		Buttery	Short Fiber
Electrical Conductivity (27°C) (10 <sup>-12</sup> ohm <sup>-1</sup> cm <sup>-1</sup> ) ...		0.17	0.17	Color .....		Amber	Amber
<sup>2</sup> Dielectric Constant E <sub>r</sub> .....		2.751	3.236				
(Tanδ) (10 <sup>-4</sup> ) .....							
<sup>2</sup> Dielectric Strength E <sub>d</sub> .....		54.6	45.9				
<sup>2</sup> Specific Insulation Resistance D (10 <sup>12</sup> ohm-cm) .		5.7	5.9				
		+50/-03	+50/-03				

<sup>1</sup> Temperatures are conservative values for reference only.

<sup>2</sup> **NOTE:** All values are relative to an ambient temperature of 26 to 28°C (approx. 80°F). Dielectric strength value is a statistical average taken from 10 measurings. Voltage measurement taken with 0.5% accuracy. Tests conducted on base material only. Greases with particles may have different measurements.

## Shipping and Additional Information:

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Hazardous: No (No shipping restrictions)  
VOC (%): Part No. M260 No VOCs

## Other Information:

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RoHS Compliant: YES  
VOC Compliant: N/A  
**MSDS Link, M260** <http://store.caig.com/s.nl/sc.18/category.3545/f>  
DeoxIT® Grease Product Sheet: <http://store.caig.com/s.nl/sc.18/category.236/f>  
MentorCard Link: <http://store.caig.com/s.nl/it.l/id.73/f>  
WHY DeoxIT® is Different: <http://store.caig.com/s.nl/it.l/id.22/f>  
<http://store.caig.com/s.nl/it.l/id.64/f>

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## Contact Information:

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