DeoxIT®

M260 & L260 Grease

PRODUCT *Info*

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: M260 Greases: -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: L260: -40°C to 260°C.

NEW Unique **DeoxIT® Grease Type L260D** - *Lithium-based preparation INFUSED WITH DeoxIT® D100L.*
Select (#1) at: http://caig.com/technical-information/

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.

USES - 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.

GREASE TYPES:

DeoxIT® Type M260 Np, No particles
DeoxIT® Type M260 Cp, Copper particles
DeoxIT® Type L260 Np, No particles
DeoxIT® Type L260 Cp, Copper particles
DeoxIT® Type L260 Ap, Aluminum particles
DeoxIT® Type L260 Qp, Quartz particles
DeoxIT® Type L260 Gp, Graphite particles
DeoxIT® Type L260 GQp, Graphite & Quartz
DeoxIT® Type L260 Tp, Teflon

GREASE DESCRIPTIONS:

No particles: Maximum lubrication for relatively clean surfaces.

Copper particles: Copper particles assist in breaking up oxidation and corrosion. Copper is conductive.

Aluminum particles: Use when aluminum metals are involved. Use in areas that two contacts will not touch and possibly short.

Quartz particles: Quartz particles assist in breaking up oxidation and corrosion. Quartz is nonconductive.

Graphite particles: Graphite particles assist in heat stability and lubrication. Graphite is excellent for heat transfer.

Graphite and Quartz particles: Use when heat transfer, lubrication and assistance is needed in breaking up oxides and corrosion.

Teflon: For superior lubrication and protection of parts.

DeoxIT® Products . . . used by those who demand the best!

Boeing	General Electric	McIntosh Labs	Switchcraft
Daktronics	Hewlett-Packard	Motorola	Tektronix
Diebold Inc.	Honeywell	Nokia	Union Pacific
Dolby Laboratories	Intel	Philips Healthcare	Wayne-Dresser
Dover Elevator	John Deere	Rane Corp.	Xerox Corp.
Federal Express	Logitech	Roland	and many more!

CAIG LABORATORIES, INC. 1956

USED WORLDWIDE BY INDUSTRY EXPERTS 60+ YEARS

Home of the DeoxIT® family of
Environmentally-Safer Contact Cleaners and
Connector Enhancing Treatments
Made in USA

Audio/Video | Computers | Automotive | Communications | Marine | Electrical | Energy | Photography | Security | Medical | Avionics

1. DeoxIT® Type M260Np, No particles, -40°C to 260°C

M260-N1	28 grams jar
M260-N8	226 grams jar
M260-N8TP	226 grams cartridge
M260-N35	35 lb. (16kg) pail

2. DeoxIT® Type M260Cp, Copper particles, -40°C to 260°C

M260-C1	28 grams jar
M260-C8	226 grams jar
M260-C8TP	226 grams cartridge
M260-C35	35 lb. (16kg) pail

3. DeoxIT® Type L260Np, No particles, -40°C to 260°C

L260-N2G	2 gram Squeeze Tube
L260-N1	28 grams jar
L260-N8	226 grams jar
L260-N8TP	226 grams cartridge
L260-N35	35 lb. (16kg) pail

4. DeoxIT® Type L260Cp, Copper particles, -40°C to 260°C

L260-C1	28 grams jar
L260-C8	226 grams jar
L260-C8TP	226 grams cartridge
L260-C35	35 lb. (16kg) pail

5. DeoxIT® Type L260Ap, Aluminum particles, -40°C to 260°C

L260-A1	28 grams jar
L260-A8	226 grams jar
L260-A8TP	226 grams cartridge
L260-A35	35 lb. (16kg) pail

6. DeoxIT® Type L260Gp, Graphite particles, -40°C to 260°C

L260-G1	28 grams jar
L260-G8	226 grams jar
L260-G8TP	226 grams cartridge
L260-G35	35 lb. (16kg) pail

7. DeoxIT® Type L260Qp, Quartz particles, -40°C to 260°C

L260-Q1	28 grams jar
L260-Q8	226 grams jar
L260-Q8TP	226 grams cartridge
L260-Q35	35 lb. (16kg) pail

8. DeoxIT® Type L260GQp, Graphite /Quartz particles, -40°C to 260°C

L260-GQ1	28 grams jar
L260-GQ8	226 grams jar
L260-G8TP	226 grams cartridge
L260-GQ35	35 lb. (16kg) pail

9. DeoxIT® Type L260Tp, Teflon particles, -40°C to 260°C

L260-T1	28 grams jar
L260-T8	226 grams jar
L260-T8TP	226 grams cartridge
L260-T35	35 lb. (16kg) pail

COMPARISON CHART

Product	Heat Resistance	Wear Resistance	Water Resistance	Oxidation Resistance*	Oxidation Dissolving
DeoxIT® M260	Excellent	Very Good	Good	Very Good	Good
DeoxIT® L260	Very Good	Very Good	Very Good	Very Good	Good
DeoxIT® L260D	Excellent	Very Good	Excellent	Excellent	Very Good
Lithium	Good	Good	Good	Fair	Poor
Lithium Complex	Very Good	Good	Excellent	Fair	Poor
Complex	Very Good	Good	Excellent	Fair	Poor
Bentone Clay	Very Good	Very Good	Good	Good	Poor
Polyurea	Very Good	Good	Excellent	Good	Poor
Polyrex™	Excellent	Very Good	Good	Good	Poor

* Oxidation of lubricants can produce sludge, varnish, gum and acid.
™ Polyrex is a trademark Of Exxon/Mobil Corporation

TYPICAL PROPERTIES (Base material):

TYPE:	M260	L260
Flow Point, min.	-30°C	-30°C
Viscosity @ 100°F, SUS	763	785
ASTM Dropping Point	260°C	285°C
Specific Gravity @ 20°C	1.85	1.87
Flash Point	300°C	300°C
[1] Lowest/Best Operating Temperature (general)	-30°C	-30°C
[1] Highest Operating Temperature (continuous duty)	200°C	200°C
Acid & Neutralization No. (mg KOH/g)	1.15	1.17
Saponification No. (mg KOH/g)	2.79	2.81
Electrical Conductivity ($27^{o}C$)(10^{-12} ohm^{-1} cm^{-1})	0.17	0.17
[2] Dielectric Constant E_r	2.75	2.81
Tan σ)(10^{-4})		
[2] Dielectric Strength E_d (kV/cm)	54.6	45.9
[2] Insulation Resistance D (10^{-12} ohm-cm)	5.7	5.9
	+.50/-.03	+.50/-.03
Oil Type	Mineral	Synthetic Blend
Soap Type	None	Lithium-12 Hydroxy
Soap %		9.52
ASTM - Penetration	280	295
NLGI	2	2
Deoxidizer	Yes	Yes
Oxidation Inhibitor	Yes	Yes
Corrosion Inhibitor	Yes	Yes
Texture	Buttery	Short Fiber
Color	Amber	Amber

[1] Temperatures are conservative values for reference only.

[2] **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.

VOC and RoHS Compliant

Product Information Sheet
C-LM260, 1/2018

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