

## Product Description

D-A ThermoPlex™ 3 is a calcium sulfonate complex grease that offers superior high temperature lubrication coupled with outstanding mechanical stability for minimized grease run out. D-A ThermoPlex 3 also provides extremely high load carrying capacity, optimized control of rust and corrosion, excellent water resistance and solid protection against heavy shock loads and severe equipment operation. ThermoPlex 3 contains 3% molybdenum disulfide (Moly).

ThermoPlex 3 is proven in the toughest high temperature applications including brick kilns, asphalt plant equipment and wheel bearings associated with disc brakes. With bearing temperatures up to 475° F, D-A ThermoPlex 3 performed while other complex and polyurea greases failed. Other field testing in shaker screens, cone crushers, conveyors, loaders, trucks, etc. illustrated that D-A ThermoPlex 3 is truly a versatile multipurpose grease with superior performance in general equipment lubrication as well as in high temperature service.

## Product Features and Benefits

- Dropping point of over 500°F for tough high temperature applications. This is not a clay thickened grease so it will stay on-the-job without leaving abrasive residue.
- Excellent mechanical stability in heavy duty service resists grease breakdown and run-out in high and low temperature applications.
- Molybdenum disulfide (Moly) provides wear control and reduces friction.
- Rust and corrosion preventatives protect both ferrous and non-ferrous metals in damp or corrosive environments.
- Excellent EP (extreme pressure) protection properties increase component life.
- Combination of high viscosity-high VI base oils/polymer mix resists thinning in high temperature service to maximize lubricant protection over a broad temperature range.



**D-A Lubricant Company, Inc.**

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## Typical Applications

### High Temperature Service

- Cement Plants
- Brick and Block Kilns
- Disc Brake Wheel Bearing Assemblies
- Asphalt Plants
- Paving Equipment
- Hammers and Pile Drivers

### General Lubrication

- Construction Equipment
- Logging Machinery
- Mining Equipment
- Truck Chassis
- Industrial Gear and Bearing Sets
- Pit and Quarry Equipment

## Typical Properties

NLGI Grade	ASTM D217	#1	#2
Color	Visual	Dark Grey	Dark Grey
Soap Type	ASTM D128	Calcium Sulfonate Complex	
Dropping Point, °F	ASTM D226	500	500
Base Oil Viscosity @ 40°C	ASTM D445	460	460
Water Wash-Out, % Loss	ASTM D1264	5	3
4-Ball Weld Load, kg	ASTM D2596	620	620
4-Ball Wear Scar Diameter, mm	ASTM D2266	0.55	0.55
Timken OK Load, lbs	ASTM D2509	60	60
Bearing Rust Test	ASTM D1743	Pass	Pass
Copper Corrosion Test	ASTM D4048	1b	1b
Molybdenum Disulfide, wt. %	ASTM D128	3%	3%
Rec. Operating Temp Range, °C		-20 to 150	-20 to 150

D-A Part Numbers:	Drum - 400 lb	12312	12322
	Quarter Drum - 120 lb	12316	12326
	Metal Pail - 35 lb	N/A	12328
	Cartridges - 43 lb	12317	12327

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture. The information contained herein is subject to change without notice.*

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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