

SUPERIOR HI-TEMP PRO EP HEAVY DUTY GREASE

SUPERIOR HI-TEMP PRO EP contains 15% graphite. This dry lubricant retains its lubricating properties to 1200°F (650°C) after the oil and other components have succumbed to the heat and no longer lubricate.

At lower temperatures the product retains the normal appearance of grease. Due to the high solids content, SUPERIOR HI-TEMP PRO EP performs best in bushings. For rolling-element bearings, clearances of C3 or greater are required.

SUPERIOR HI-TEMP PRO EP was not designed for lightly loaded, high speed bearings. Do not use in bearings with internal clearance of C2 or CN. For these, use Superior Heavy EP 2, a high-performance grease based on calcium sulfonate complex thickener.

Store indoors in original container until needed. Temperature range during storage should be 32°F (0°C) to 40°F (40°C). Keep out of intense direct sunlight. Use within 5 years of purchasing.

BENEFITS:

- AT VERY HIGH TEMPERATURES – the grease component dissipates, leaving a residue that is high in graphite. This dry (or almost dry) lubricant phase is effective at temperatures up to 1200°F (650°C). NOTE: This is not a permanent metal coating. Re-greasing will still be necessary.
- AT NORMAL AMBIENT TEMPERATURES - may be used to lubricate sliding and rolling components under high load.
- CONTAMINATION – the graphite encapsulates dirt and grit, preventing the wear that would otherwise occur. Superior Hi-Temp Pro is also highly water-resistant.

APPLICATIONS:

Typical high-temperature applications include kiln car wheel bearings, oven door hinges, threaded fittings, oven conveyors, Lehrs (glass industry) and furnace bearings. Also highly recommended for the following at normal temperature conditions: bushings, bucket pins, vehicle chassis lube points, U-Joints, ball joints and couplings.

ASTM #	CHARACTERISTICS	
	NLGI Grade (other grades available)	2
	Color	Gray-Black
D-2265	Dropping Point, °F (°C)	>535 (>280)
D-445	Kinematic Viscosity (Base Oil) cSt @ 40°C	320
	Thickener Type	Aluminum Complex
D-2596	Four Ball EP Weld Point, kgf	500
D-1743	Rust Test	Pass
D-44048	Copper Strip Corrosion, 40°C, 3 hours	1B
	Solid Lubricant (graphite) %	15
	Temperature Range as Grease °F (°C)	5 to 320 (-15 to 160)
	Temperature Limit as "Dry" Lubricant °F (°C)	1200 (650)

The above are typical values. Minor variations which do not affect product performance are to be expected in normal manufacturing.