



THERMAX 680 GREASE

SPECIAL PURPOSE EP GREASE

BEYOND SYNTHETIC®

Thermax Grease is a special purpose, ultra-tough, multi-synthetic, aluminum complex EP grease. It is designed to lubricate equipment requiring grease formulated with a high viscosity base oil.

Thermax Grease is formulated with advanced synthetic base oils plus Royal Purple's proprietary, extreme pressure (EP) Synslide additive technology, which forms a chemical film capable of carrying loads much greater than other EP oils and greases under boundary conditions. Thermax Grease also has good oxidation stability, greatly resists water washout and provides good rust and corrosion protection to both ferrous and nonferrous metals. Thermax Grease excels in bearings or sliding surfaces that operate at low speeds, under heavy loads or shock loads, at high temperatures or in wet environments. Typical applications can be found in steel mills, paper mills or in marine service.

SYNSLIDE® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide additive technology truly is beyond synthetic.

Synslide additive technology, Royal Purple's tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and / or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Synslide additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

Aluminum Coupling Grease

Greater Wear Protection

Reduces Vibrations

Shock Load Protection

Excellent Oxidation Stability

Rust and Corrosion Protection

Exceptional Water Resistance

		NLGI Grade
Typical Properties*	Method	2
Oxidation Resistance	D942	<5.0
Viscosity	D445	
cSt @ 40°C		628
cSt @ 100°C		46.3
Flash Point, °F	D92	>450
Drop Point, °F/°C	D2265	522/272
Cone Penetration Test	D217	
Worked, 60x		285
Worked, 10000x		267
Density, lbs/gal	D2596	7.51

**Properties are typical and may vary.*