

THERMAX™ 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.

Typical Properties*

Viscosity		
cSt @ 40°C	680	1000
NLGI Grade	2	0
Thickener Type (soap base)	Aluminum	Aluminum
Complex		
Thickener Content	9 to 10 percent	7 to 9 percent
Fluid Type	Multi-Synthetic	Multi-Synthetic
Specific Gravity	0.90	.90
Penetration @ 77°F		
Cone Unworked, mm x 10-1	293	375
60 Strokes, mm x 10-1	285	355
10,000 Strokes, mm x 10-1	267	—
Worked Stability,		
100,000 strokes. % change	<10	<10
Flash Point °F(°C)	>450(232)	>450(232)
Drop Point °F(°C)	522(272)	522
Timken OK Load, lbs.	100+	100+
Copper Corrosion	1A	1A
Oxidation Resistance		
PSI Drop, 100 hours	<5	<5

*All properties are typical and may vary.

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