

THERMAX[®] SEMI-FLUID GREASE

Special Purpose Synthetic Grease for Gear Boxes



Beyond Synthetic[™]

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Thermax[®] Semi-Fluid Grease is an ultra-tough, aluminum complex, EP grease designed to lubricate industrial gear boxes that require the use of a semi-fluid grease. It has the fluidity to pour like an oil from the container while having enough "body" at operating temperature to resist channeling or leaking past faulty seals often found in older gear boxes. Thermax[®] Semi-Fluid Grease also has very good oxidation stability and provides excellent rust and corrosion protection to both ferrous and nonferrous metals.

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.

Typical Properties*

Viscosity	
cSt @ 40°C	380
NLGI Grade	0
Thickener Type (soap base)	Aluminum
Complex	
Thickener Content	7.5 - 10 percent
Fluid Type	Multi-Synthetic
Specific Gravity	0.90
Density (lbs./gal.)	7.5
Penetration @ 77°F	
Cone Unworked, mm x 10-1	375
60 Strokes, mm x 10-1	355
Worked Stability,	
100,000 strokes. % change	<10
Flash Point °F (°C)	>410 (210)
Drop Point °F (°C)	522 (272)
Timken OK Load, lbs.	100
Shell 4-Ball	
Weld Point, kgf	315
Oxidation Resistance	
PSI Drop, 100 hours	<5
Copper Corrosion	1A
Water Washout	
@ 79°C, % max.	<5

*All properties are typical and may vary.