



THERMASIL™ T-100 MAXIMUM LOAD SILICA GEL GREASE

BEYOND SYNTHETIC™

Thermasil T-100 is a viscous, water resistant, tacky grease designed to protect extremely heavily loaded, low speed bearings or sliding surfaces (such as open gears, skid-rails, gear couplings, etc.) that operate in wet or hot environments. Thermasil T-100 is extremely resistant to water wash out and provides excellent corrosion protection. It is especially suited for lubricating very low speed, heavily loaded bearings, bushings, pinions, gears, sliding surfaces, etc.

Thermasil T-100 is formulated with advanced, synthetic base oils plus Royal Purple's proprietary, EP Synslide additive technology, which adheres tenaciously to metal surfaces. Thermasil T-100 lubricates under severe loads that "squeeze out" other oils and greases. Thermasil T-100 provides superior protection in wet and/or corrosive environments. Any low speed, heavily loaded bearing, bushing, pinion, gear, sliding surface, etc., can be lubricated with Thermasil T-100.

Thermasil T-100 is an undyed product.

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

- **Excellent Adhesion to Metal Surfaces**
- **Excellent Corrosion Protection**
- **Severe Service Performance**
- **Shock Load Protection**

		NLGI GRADE
TYPICAL PROPERTIES*	ASTM METHOD	0
Color	---	Amber
Consistency	---	Viscous
Fluid Type	---	Multi-Synthetic
Viscosity, Fluid	D-445	
cSt @ 40°C		4866
cSt @ 100°C		154
Viscosity Index	D-2270	110
Flash Point, °F	D-92	450
Drop Point, °F	D-566	NONE
Copper Corrosion Test	D-4048	PASS
Cone Penetration Test, mm	D-217	
Unworked		355
Worked, 60X		357
Worked Stability, % change	---	
Worked, 1000X		<10
Oxidation Resistance	D-942	
PSI Drop, 100 Hrs		<5.0
Density, lbs/g	D-4052	7.33
Water Solubility	---	Insoluble

*Properties are typical and may vary