



THERMASIL™ T-100 GREASE

MAXIMUM LOAD SILICA GEL GREASE

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.

Royal Purple's Thermasil T-100 Grease gains its incredible performance from Synslide. Synslide is Royal Purple's unique, proprietary, noncorrosive EP additive technology.

Synthetic base oils and advanced additive chemistry enable Royal Purple to make superior lubricants, but it is Synslide additive technology that gives Royal Purple's EP (extreme pressure) oils and greases their amazing performance advantages. Synslide additive technology provides maximum protection under boundary lubrication conditions typically caused by heavy loads, slow operating speeds, and 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.

Thermasil T-100 Grease is completely safe and non-corrosive to all ferrous alloys and yellow metals used in the manufacture of gears, bearings and other rotating equipment components, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils. Thermasil T-100 is a superior maximum load EP grease that significantly increases bearing life and equipment reliability, and makes bearings run smoother, cooler, quieter, longer and more efficiently.

PERFORMANCE ADVANTAGES

SUPERIOR HIGH-TEMPERATURE PERFORMANCE

– Calcium sulfonate complex thickener provides a high dropping point and high-temperature stability to the grease

OUTSTANDING WEAR PROTECTION – Synslide® additive technology and high viscosity resists displacement and separates surfaces under the heaviest and hottest operating environments

EXCEPTIONAL WATER RESISTANCE – Will not mix with water and has great resistance to water wash off

ENHANCED SHOCK PROTECTION – Very high viscosity and Synslide® chemistry cushion severe loads

GREATER CORROSION PROTECTION – Advanced anti-corrosion additives along with the aluminum complex thickener provide unmatched corrosion protection for the lubricated components



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TECHNICAL DATA

Property	Test Method	
NLGI Grade		0
Thickener Type		Silica Gel
Worked Penetration	ASTM D217	360
Viscosity @ 40°C, cSt	ASTM D445	4,866
Viscosity @ 100°C, cSt	ASTM D445	154
Dropping Point, °C (°F)	ASTM D2265	293 (560)
Water Washout, %	ASTM D1264	2.2
Rust Protection	ASTM D1743	PASS
Copper Corrosion	ASTM D4084	1A
4-Ball EP Test, Weld Load, kg	ASTM D2596	250
4-Ball EP Test, Load Wear Index	ASTM D2596	58.9
Useful Temperature Range, °C (°F)	ASTM D5800	-40 to 260 (-40 to 500)

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