



THERMASIL T-100

SILICA GEL GREASE WITH SYNSLIDE™

Thermasil T-100 is a viscous, tacky, water-resistant grease engineered to protect extremely heavily loaded, low-speed bearings and sliding surfaces – such as open gears, skid rails and gear couplings – operating in wet, corrosive or high-temperature environments. Its tenacious, high-viscosity film resists displacement under severe loads that can squeeze out conventional oils and greases, helping maintain separation between surfaces to reduce wear. Thermasil is also highly resistant to water washout and provides excellent rust and corrosion protection, making it well suited for low-speed, heavily loaded bearings, bushings, pinions, gears, and other sliding contact points.

Its performance is enhanced by Synslide™ – our proprietary, noncorrosive EP additive technology – helping improve load-carrying capability, reduce metal-to-metal contact, and support longer component life and greater equipment reliability. Thermasil T-100 is compatible with and noncorrosive to ferrous alloys and yellow metals commonly used in gears, bearings and other rotating equipment components, including case-hardened gears that can be pitted by conventional sulfur-phosphorus EP oils.



PROPRIETARY ADDITIVE TECHNOLOGY – SYNSLIDE™

Synslide™ noncorrosive, EP additive technology provides superior protection against boundary lubrication conditions and centrifugal forces typically caused by heavy loads, shock loads and slow operating speeds. It significantly increases bearing life and equipment reliability, and makes bearings run smoother, cooler, quieter, longer and more efficiently.

PERFORMANCE & OTHER ADVANTAGES

SUPERIOR HIGH-TEMPERATURE PERFORMANCE – Silica gel thickener provides a high dropping point and helps maintain grease stability at elevated temperatures.

OUTSTANDING WEAR PROTECTION – Synslide additive technology and very high base-oil viscosity help the grease resist displacement and maintain separation of metal surfaces under the heaviest loads and hottest operating conditions.

EXCEPTIONAL WATER RESISTANCE – Highly resistant to water washout and spray-off, helping the grease stay in place in wet environments.

ENHANCED SHOCK PROTECTION – Very high viscosity and Synslide chemistry help cushion severe loads and protect surfaces under shock loading.

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

GREATER CORROSION PROTECTION – Advanced corrosion inhibitors along with the silica gel thickener help protect lubricated components from rust and corrosion, even in wet or corrosive environments.



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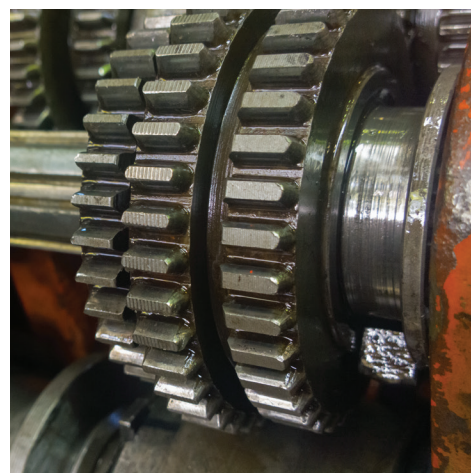
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TYPICAL APPLICATIONS & INDUSTRIES

- Bearings
- Bushings
- Gear couplings
- Kilns
- Open gears and pinions
- Skid rails
- Construction
- Mining
- Steel mills

TECHNICAL DATA

Property	
NLGI Grade	0
Thickener Type	Silica Gel
Color	Amber
Worked 60 Penetration ASTM D217	360
Base Fluid Characteristics	
Viscosity @ 100°C, cSt, ASTM D445	154
Viscosity @ 40°C cSt, ASTM D445	4866
Dropping Point °C (°F), ASTM D2265	293 (560)
Water Washout @ 175F, % loss, ASTM D1264	2.2
Corrosion Prevention DI H ₂ O, ASTM D1743	PASS
Copper Corrosion 24 hrs @ 100°C, ASTM D4048	1A
Four-Ball EP Weld Point kgf, ASTM D2596	250
Four-Ball EP Load Wear Index kgf, ASTM D2596	58.9



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