THERMASIL™ T-100

Maximum Load Silica Gel Grease

Beyond Synthetic™

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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 tanacously 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.

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*

Consistency	Viscous
NLGI Grade	0
Color	Amber
Fluid Type	Multi-Synthetic
Base Oil Viscosity	
cSt @ 40˚C	4,866
SUS @ 100˚F	35,000
SUS @ 210˚F	1,000
Viscosity Index	110
Flash ˚F	450
Drop Point	None
Water Solubility	Insoluble
Penetration @ 77˚F	
Cone Unworked, mm x 10^{-1}	355
60 Strokes, mm x 10^{-1}	357
Worked Stability	
1,000 strokes, % change	<10
Timken E.P. Test	100
Corrosion Test	1
Oxidation Resistance	
PSI Drop, 100 hrs.	<5.0

*All properties are typical and may vary.

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