



ENDUROSYN GREASE

MULTI-PURPOSE SYNTHETIC GREASE

EnduroSyn is a high performance, multi-service, calcium sulfonate complex, synthetic grease. Its outstanding performance is achieved through a superior blend of synthetic base oils and additives, plus Royal Purple's unique, proprietary Synslide® additive technology. The superior Royal Purple lubricant formulation combined with a premium calcium sulfonate thickener provides unsurpassed protection against friction, wear and corrosion, and is inherently water resistant. EnduroSyn Grease significantly increases bearing life and equipment reliability and makes bearings run smoother, cooler, quieter, longer and more efficiently. EnduroSyn Grease satisfies a wide range of grease requirements and is recommended for bearings and general purpose use..

Royal Purple's EnduroSyn 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.

EnduroSyn 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. EnduroSyn Grease is a superior multi-purpose 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 calcium sulfonate thickener drastically increase load carrying ability and imbues EnduroSyn with unmatched lubricant film strength, preventing metal-to-metal contact

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

REDUCED VIBRATION - The tough lubricating film cushions load and Synslide® micro-mends contacting bearing surfaces

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		2
Thickener Type		Cal. Sulfonate
Worked Penetration	ASTM D217	265
Base Oil Viscosity @ 40°C, cSt	ASTM D445	136
Base Oil Viscosity @ 100°C, cSt	ASTM D445	10.9
Dropping Point, °C (°F)	ASTM D2265	338 (641)
Oil Separation Test, %	ASTM D1742	1.3
Water Washout, %	ASTM D1264	1.7
Rust Protection	ASTM D1743	PASS
Copper Corrosion, 24hr @ 100°C	ASTM D4084	1A
4-Ball EP Test, Weld Load, kg	ASTM D2596	620
4-Ball EP Test, Load Wear Index	ASTM D2596	105
Useful Temperature Range, °C (°F)	ASTM D5800	-40 to 177 (-40 to 350)

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