



Ultra-Performance Grease

MULTI-PURPOSE SYNTHETIC GREASE

Ultra-Performance Grease (UPG) satisfies a wide range of grease requirements and is recommended for bearings, sliding surfaces, and general-purpose use. UPG is high-performance, multi-service, aluminum complex thickened, synthetic grease. Its outstanding performance is achieved through the use of superior, premium quality base oils and additives, plus Synslide® additive technology.

Royal Purple's Ultra-Performance 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.

Ultra-Performance 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. Ultra-Performance 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 – Aluminum complex thickener provides a high dropping point and high-temperature stability to the grease
- OUTSTANDING WEAR PROTECTION - Synslide® additive technology imbues UPG with unmatched lubricant film strength, preventing metal-to-metal contact
- EXCEPTIONAL WATER RESISTANCE – UPG will not mix with water and has great resistance to water wash off, making it an excellent choice for applications in steel mills, pulp and paper, and off-shore environments
- REDUCED VIBRATION - The tough lubricating film provided to Ultra-Performance Grease by Synslide® coupled with its ability to micro-mend contacting bearing elements provides superior bearing lubrication
- GREATER CORROSION PROTECTION – Advanced anti-corrosion additives along with the aluminum complex thickener provide unmatched corrosion protection for the lubricated components



TECHNICAL DATA SHEET

Typical Physical Properties			
Property	Test Method	#1	#2
NLGI Grade		1	2
Thickener Type		Al Complex	Al Complex
Worked Penetration	ASTM D217	319	280
Base Oil Viscosity @ 40°C, cSt	ASTM D445	180	180
Base Oil Viscosity @ 100°C, cSt	ASTM D445	16.2	16.2
Dropping Point, °C (°F)	ASTM D2265	261 (502)	274 (525)
Oil Separation Test, %	ASTM D1742	<5.0	1.3
Water Washout, %	ASTM D1264	5.3	4.5
Rust Protection	ASTM D1743	Pass	Pass
Copper Corrosion, 24hr @ 100°C	ASTM D4084	1B	1B
4-Ball EP Test, Weld Load, kg	ASTM D2596	400	400
4-Ball EP Test, Load Wear Index	ASTM D2596	65.2	65.2
Useful Temperature Range, °C (°F)	ASTM D5800	-40 to 177 (-40 to 350)	-40 to 177 (-40 to 350)

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