



ULTRA-PERFORMANCE® GREASE

MULTI-PURPOSE SYNTHETIC GREASE

BEYOND SYNTHETIC™

Ultra-Performance Grease satisfies a wide range of grease requirements and is recommended for bearings and general purpose use.

Ultra-Performance Grease is high performance, multi-service, aluminum complex, synthetic grease. Its outstanding performance is achieved through its superior blend of synthetic base oils plus Synslide additive technology, Royal Purple's unique, proprietary, noncorrosive EP additive technology.

Ultra-Performance Grease significantly increases bearing life and equipment reliability and makes bearings run smoother, cooler, quieter, longer and more efficiently.

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.

PERFORMANCE ADVANTAGES

- **Aluminum Complex Grease Base**
Ultra-Performance Grease has superior shear stability, water resistance and high temperature performance.
- **Greater Wear Protection**
Ultra-Performance Grease's extraordinary film strength provides superior protection to anti-friction and journal bearings.
- **Reduces Vibrations**
The tough oil film of Ultra-Performance Grease coupled with its ability to micro-polish contacting bearing elements provides superior bearing lubrication.
- **Multi-Temperature Service**
Ultra-Performance Grease combines both good low temperature pumpability and excellent high temperature stability. It is suitable for centralized pressure systems.
- **Exceptional Water Resistance**
Ultra-Performance Grease will not mix with water and has great resistance to water wash off. It excels in tough subsea applications.
- **Outstanding Oxidation Stability**
Ultra-Performance Grease promotes clean, deposit-free bearings for better performance and provides a margin of safety for missed or extended reapplication intervals.
- **Excellent Rust and Corrosion Protection**
Ultra-Performance Grease protects metal surfaces in wet or dry environments during operation and shutdown.
- **Environmentally Responsible**
Ultra-Performance Grease components are TSCA listed and meet EPA, RCRA and OSHA requirements.



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| TYPICAL PROPERTIES* | ASTM METHOD | NLGI GRADES | |
|---------------------------------------|-------------|------------------|------------------|
| | | 1 | 2 |
| Thickener Type (Soap Base) | --- | Aluminum Complex | Aluminum Complex |
| Thickener Content, % | --- | 6.7 | 7.5 |
| Consistency | --- | Buttery | Buttery |
| Fluid Type | --- | Multi-Synthetic | Multi-Synthetic |
| Viscosity, Fluid | D-445 | | |
| cSt @ 40°C | | 150 | 150 |
| Drop Point, °F | D-566 | 520 | 520 |
| Copper Corrosion Test | D-4048 | 1A | 1A |
| Cone Penetration Test, mm | D-217 | | |
| Worked, 60X | | 319 | 280 |
| Oxidation Resistance | D-942 | | |
| PSI Drop, 100 Hrs | | <5.0 | <5.0 |
| Water Washout | D-1264 | | |
| % Max @ 79°C | | <5.0 | <5.0 |
| Four Ball EP Test | D-2596 | | |
| Load Wear Index | | 65.2 | 65.2 |
| Weld Load, kgf | | 400 | 400 |
| Oxidation Resistance | D-942 | | |
| PSI Drop, 100 Hrs | | <5.0 | <5.0 |
| Oil Separation Test | D-1742 | | |
| (FTMS 791B, M 321.2) | | <5.0 | <5.0 |
| Salt Fog / Spray Corrosion Resistance | B-117 | | |
| 100°F / 20% Salt (NaCl), 360+ Hrs | | PASS | PASS |
| Density, lbs/g | D-4052 | 7.5 | 7.5 |

*Properties are typical and may vary