



**PROTECTION** | **PERFORMANCE**  
*you demand.* | *you deserve.™*

DATA SHEET

## DOMINATOR® Synthetic Racing Grease

AMSOIL DOMINATOR Synthetic Racing Grease is engineered with high-viscosity-index synthetic base oils and a premium calcium sulfonate complex thickener designed to protect high-speed bearings and high-performance chassis components operating at extreme temperatures. It delivers exceptional mechanical stability, a high dropping point, high load-carrying performance and excellent resistance to water washout and corrosion for superior protection in racing applications operating under high-speed, high-heat and heavy-load conditions on snow, dirt, water or track.

### Anti-Wear Performance

DOMINATOR Synthetic Racing Grease is engineered with extreme-pressure additives to deliver excellent anti-wear protection and long component life in heavily loaded and high-speed racing applications.

### Friction Reduction

The superior friction-reduction properties of DOMINATOR Synthetic Racing Grease inhibit wear and help maximize power and fuel efficiency to ensure race vehicles operate at peak performance.

### Load Capacity

DOMINATOR Synthetic Racing Grease delivers exceptional mechanical stability and high-load capacity to help protect both high-speed and low-speed bearings in high-performance racing applications.

### All-Temperature Protection

Excellent low-temperature pumpability and high-temperature consistency means DOMINATOR Synthetic Racing Grease provides dependable protection at any operating temperature.

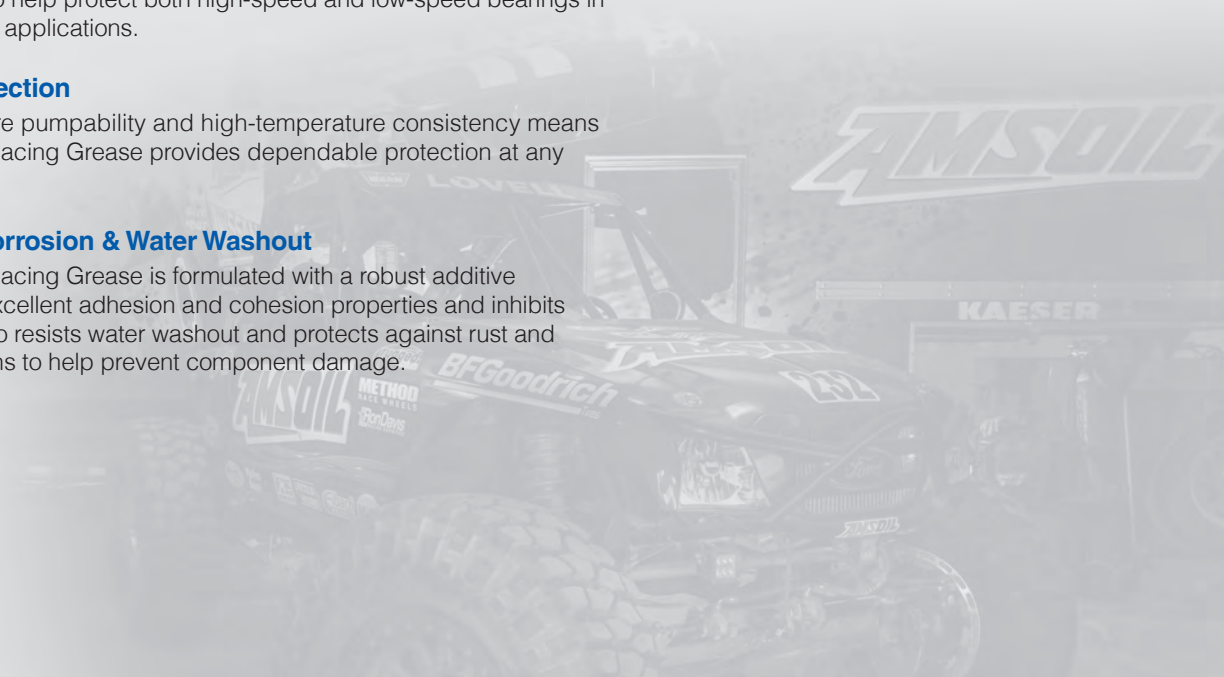
### Resists Oxidation, Corrosion & Water Washout

DOMINATOR Synthetic Racing Grease is formulated with a robust additive package that provides excellent adhesion and cohesion properties and inhibits grease breakdown. It also resists water washout and protects against rust and corrosion in wet conditions to help prevent component damage.



**NLGI #2  
GC-LB**

- **Superior** friction reduction
- **Exceptional** mechanical stability
- **Excellent** extreme-temperature performance



## TYPICAL TECHNICAL PROPERTIES

### DOMINATOR® Synthetic Racing Grease (GRG)

|                                                          | DOMINATOR Synthetic Racing Grease | NLGI GC-LB    |
|----------------------------------------------------------|-----------------------------------|---------------|
| Thickener . . . . .                                      | Calcium Sulfonate Complex         | NR*           |
| NLGI Consistency Grade . . . . .                         | 2                                 | NR*           |
| NLGI Performance Grade . . . . .                         | GC-LB                             | NR*           |
| Operating Range °C (°F) . . . . .                        | -40 to 177 (-40 to 350)           | NR*           |
| Penetration (ASTM D217) Worked 60 Strokes . . . . .      | 265-295                           | 220-340 range |
| Dropping Point (ASTM D566) °C (°F) . . . . .             | 270 (518)                         | 220 (428) min |
| High-Temperature Life (ASTM D3527) hours . . . . .       | 250                               | 80 min        |
| Water Washout (ASTM D1264) 79°C (175°F) % loss . . . . . | 0.5                               | 15 max        |
| Rust and Corrosion (ASTM D1743) . . . . .                | Pass                              | Pass          |
| Oil Separation (ASTM D1742) . . . . .                    | 1.5                               | 6 max         |
| Leakage (ASTM D4290), g . . . . .                        | 6.8                               | 10 max        |
| Four-Ball Wear Test, mm scar (ASTM D2266) . . . . .      | 0.42                              | 0.6 max       |
| Four-Ball EP, kgf (ASTM D2596)                           |                                   |               |
| Weld Point . . . . .                                     | 500                               | 200 min       |
| Load Wear Index . . . . .                                | .62                               | 30 min        |
| Timken OK Load Test (ASTM D2509), lbs. . . . .           | .60                               | NR*           |
| Low-Temperature Torque (ASTM D4693) (-40°F) . . . . .    | 2.5                               | 15.5 max      |

\*NR: Not Required for NLGI GC or LB labeling.

## MAINTENANCE

Maintaining a clean work environment is important when greasing equipment. Wipe grease fittings clean prior to injecting grease to prevent contamination. Maintain bearing housings one-third to one-half full of grease. Do not over-grease, as excessive heat buildup can result. Periodically clean and repack housings with fresh grease.

## COMPATIBILITY

DOMINATOR Synthetic Racing Grease is compatible with many other types of greases. For maximum performance when changing greases, clean out any old grease or flush components with a liberal amount of DOMINATOR Synthetic Racing Grease while the mechanism is in operation. Monitor the system for any inconsistencies. Contact your AMSOIL representative or AMSOIL customer service for more information on grease compatibility.

## AVAILABILITY

14-oz. cartridges.

## WARRANTY

AMSOIL products are backed by a limited warranty. For complete information visit [amsoil.com/warranty](http://amsoil.com/warranty).

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AND PACKAGED IN THE USA