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DATA SHEET

DOMINATOR®
Synthetic Racing Grease

Exceptional High-Speed Performance in High and Low Temperatures

AMSOIL DOMINATOR® Synthetic Racing Grease is engineered to protect high-performance bearings and chassis components in racing applications operated on snow, dirt, water or track. It provides superior protection for bearings operating under high-speed, high-heat and heavy-load conditions.



NLGI #2
GC-LB

Anti-Wear Performance

DOMINATOR Racing Grease is engineered with extreme-pressure additives to deliver excellent wear protection in heavily loaded, high-speed racing applications. Its high-performance anti-wear additive package helps ensure long component life.

Friction Reduction

Because it effectively reduces friction, DOMINATOR Racing Grease not only inhibits wear, it also maximizes power through-put and fuel efficiency. Its superior friction-reduction properties help ensure race vehicles operate at peak performance.

Load Capacity

Although DOMINATOR Racing Grease is specially formulated for high-temperature/high-speed applications, it also delivers superior protection for low-speed bearings, providing racing components with the exceptional load-bearing capacity of a heavy-duty grease.

All-Temperature Protection

DOMINATOR Racing Grease pairs a high-viscosity-index synthetic base oil with a top-quality calcium-sulfonate thickener known for its exceptional mechanical stability, high dropping point, high load-carrying performance, reduced wear and excellent resistance to water washout and corrosion. It offers excellent low-temperature pumpability and high-temperature consistency for dependable protection in all temperatures.

Resists Oxidation, Corrosion & Water Washout

DOMINATOR Racing Grease contains a robust package of oxidation inhibitors, helping prevent grease breakdown and component surface damage. Its excellent adhesion and cohesion properties allow it to resist water washout during operation in wet conditions. A premium blend of corrosion inhibitors further protects against corrosion formation.

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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)	318 (605)	220 (428) min
High-Temperature Life (ASTM D3527) hours	220	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)	0.2	6 max
Leakage (ASTM D4290), g	4.0	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.*

APPLICATION MAINTENANCE

Maintaining a clean work environment is important when equipment greasing is performed. Wipe grease fittings clean prior to injecting grease to prevent contaminant ingestion. Maintain bearing housings one-third to one-half full of grease. Do not over-grease, as excessive heat buildup can result. Supplement standard grease maintenance by periodically cleaning and packing housings with fresh grease on an established maintenance schedule.

COMPATIBILITY

DOMINATOR Synthetic Racing Grease is compatible with many other types of greases. However, it is recommended that when changing greases, the equipment be cleaned of the old grease when possible or flushed with a liberal amount of DOMINATOR Synthetic Racing Grease while the mechanism is in operation. Closely monitor the system for any inconsistencies. Grease compatibility questions should be referred to your AMSOIL representative or AMSOIL INC.

AMSOIL PRODUCT AVAILABILITY

DOMINATOR Synthetic Racing Grease is available in 14-oz. cartridges.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

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