



Premium Performance Gearbox Greases

Product Information

Performance Lubricants has developed a series of greases specifically designed to lubricate and protect high temperature gearbox gears, bearings, and seals. Krytox™ fluoropolymer greases provide excellent lubrication and will not oxidize in the most demanding high temperature environments, even in applications with operating temperatures up to approximately 270 °C (518 °F). Use of Krytox™ gearbox grease will help eliminate bearing and gear failures resulting from lubricant oxidation, lead to longer seal life, and extend gearbox life. In many applications, Krytox™ gearbox grease will last the life of the gearbox, greatly reducing or eliminating the need for maintenance and re-lubrication. When compared to oil-lubricated systems, use of Krytox™ grease can also significantly help reduce lubricant leakage related to seal failure.

Krytox™ gearbox greases are available in various base oil viscosities to provide the best performance for your given environment. There are currently two grades of premium performance gearbox grease, Krytox™ GB M0 and GB H0, which are semi-fluid lubricants

specifically designed for enclosed gearbox lubrication. As many gearbox designs utilize bearings that are not lubricated by the internal lubricant reservoir and require periodic re-lubrication (and this grease is often forced past the bearing seals into the reservoir), Krytox™ GB A2 and C2 have been added to the line to limit cross-contamination of the internal grease with a non-compatible bearing grease.

Please consult with Krytox™ Technical Service to determine if one of these grades is right for your application or if an additional grade is required.

Krytox™ greases are made from clear, colorless fluorinated, synthetic oils that are non-reactive, non-flammable, safe in harsh environments, long lasting, and compatible with all seal materials. Krytox™ is a perfluoropolyether-based polymer composed of fluorine, oxygen, and carbon. No hydrogen is present in the molecule, resulting in exceptional stability and non-flammability.

Krytox™ Gearbox Grease Grade	GB M0	GB H0	GB A2	GB C2
NLGI Grade	0	0	2	2
Penetration, ASTM D217	355–385	355–385	265–295	265–295
Thickener Chemistry	PTFE	PTFE	PTFE	PTFE
Dropping Point, °C (°F)	>290 (>554)	>290 (>554)	>290 (>554)	>290 (>554)
Base Oil Viscosity, 40 °C (104 °F)	100	500	100	500
Estimated Useful Temperature Range, °C (°F)	-40–210 (-40–410)	-4–270 (25–518)	-40–210 (-40–410)	-4–270 (25–518)
Appearance	Gray, Creamy	Gray, Creamy	Gray, Creamy	Gray, Creamy
Specific Gravity	2.1	2.1	2.1	2.1

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For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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