DuPont™ Krytox® FG Lubricating Greases

Food Grade Lubricants

Krytox® greases are high temperature, extreme pressure, water-resistant greases for your most demanding needs. They provide stable performance in temperature extremes and are designed to reduce friction and wear while extending equipment life in severe duty applications. They are extremely resistant to water washout for bearings and other equipment. Their wide temperature range allows them to be used in both high and low temperature applications.

The superior film-forming capability of Krytox® lubricants provides a thicker oil layer and reduces wear. The nonoxidizing nature of the oils makes the greases last longer. The oils don't gum up as they age, so they won't harden the greases and cause catastrophic failure. These greases have superior extreme pressure properties and excellent adhesion, so they stand up to all conditions.

Krytox® greases are recommended for use in food and packaging equipment where an H-1 rated lubricant is required. There are several grades available to meet a variety of temperature conditions. If anticorrosion greases are needed, there are other Krytox® greases available.

Krytox® FG greases are now available for use in food applications where a lubricant with an H-1 rating is required. The product line includes several different types of greases with and without additives and a range of oils for all types of systems.

Krytox® lubricants are commonly used in aerospace, automotive, industrial, and semiconductor applications, as well as solving many other routine lubrication problems.

Property	Krytox® FG 20	Krytox® FG 22	Krytox® FG 24	Krytox® FG 26
NLGI* Grade	2	2	2	2
Thickener	PTFE	PTFE	PTFE	PTFE
Color	White, creamy consistency	White, creamy consistency	White, creamy consistency	White, creamy consistency
Base Oil Viscosity, cStat 40 °C (104 °F)	30	160	240	738
Viscosity Index	121	125	134	158
Operating Range, °C (°F)	–60 to 154 (–76 to 310)	–36 to 204 (–33 to 400)	–30 to 260 (–22 to 500)	–10 to 300 (14 to 572)
Bearing Life, hr, ASTM D-3336 10,000 rpm, 200 °C (392 °F)	Not tested	>3000	>500	Not tested
Four Ball EP Weld, ASTM D-2596, kg	Not tested	Not tested	620	Not tested
Four Ball EP LWI, ASTM D-2596	Not tested	Not tested	>161	Not tested

* NLGI = National Lubricating Grease Institute

Typical Applications

Applications for these lubricants are generally of a critical nature, where temperatures are reaching extremes for conventional lubricants. They are durable in the most aggressive environments and are now often considered an integral part of the design. Where failure of components is not an option, whether because of durability, warranty, safety, loss of productivity or downtime, Krytox® is the lubricant of choice in a wide range of industries and applications. These products are not intended to be used as direct food additives.

Chemical and Environmental Compatibility

While Krytox® greases are nonreactive, they have different chemistries and should not be mixed with other non-PFPE greases.

These lubricants are inert and will not react with any materials they may come in contact with. The polymeric nature of these products is extremely resistant to moisture, so they stay in place during cleaning. Cleaners and disinfectants, both acidic and caustic types, do not affect them. Steam and high temperatures will not damage them. They do not damage plastic or elastomer seals or cause corrosion to metals. They are nonflammable and are safe for use in oxygen service.

Krytox® oils and greases are silicone-free. They do not contain any VOC materials or chlorine and are not hazardous to the atmosphere or ozone layer. They are biologically and environmentally inert.

Packing the Bearing

New bearings should be inspected for damage and cleanliness before use. New unlubricated bearings often have rust preventive oils in them to prevent damage while they are in storage before use. These greases or preservative oils need to be removed when using Krytox® as a lubricant. Failure to do so could result in reduced bearing life. The preservatives coat the metal surface to prevent rusting, so they can also prevent the grease from adhering—causing it to be thrown off by the action of the bearing. They also will oxidize, harden, and create debris that will contaminate the grease.

Packaging

Krytox® greases are available in 2 and 8 oz tubes; 0.5 kg and 1 lb containers; 0.8 kg/1.75 lb cartridges; 20 kg containers; 100 kg drums; 5 gal pails and other grease drum sizes.

Storage and Shelf Life

Krytox® grease and oil lubricants have an indefinite shelf life, if unopened and stored in a clean dry location.

DuPont Performance Lubricants

Extreme Conditions. Extreme Performance.

For more information or for technical assistance, please call 1-800-424-7502 or contact us at krytox@usa.dupont.com.

For international sales and support contacts, visit us at www.lubricants.dupont.com.

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