



# DuPont™ Krytox® Corrugator Greases

## NSF H-1 FOOD GRADE CERTIFIED

### Krytox® – Setting the Standard for the Corrugating Industry

Since the 1980s, Krytox® anticorrosion greases have set the standard for high temperature bearing lubrication in corrugator applications. These products are the same high performance formulation the corrugated industry has trusted for years, and we are pleased to announce, are now certified for incidental food contact.

### NSF Certification Means Safety and Confidence

To provide absolute confidence and safety in food related operations, these products are NSF H-1 Food Grade certified. Corrugator Krytox® 226 FG and Corrugator Krytox® 227 FG provide you with peace-of-mind and full confidence that Krytox® greases are non-toxic, and completely biologically and environmentally inert.

Krytox® corrugator greases are recommended for use in high temperature corrugated equipment applications and in manufacture of food packaging materials where an H-1 rated lubricant is required.

### Reliability and Performance for Your Most Demanding Needs

High temperature, extreme pressure Krytox® greases excel in the most demanding environments. Their non-oxidizing chemistry and wide temperature range allows them to be used in temperature extremes. Its superior oil film strength reduces friction and abrasive wear to significantly extend equipment life in severe duty applications. Krytox® provides excellent water washout resistance and superior rust and corrosion protection for bearings and components. Krytox® is silicone-free, contains no VOC materials or chlorine, and is not hazardous to the

Property	Corrugator Krytox® 226 FG	Corrugator Krytox® 227 FG
NLGI Grade	2	2
ISO Grade of Base Oil	220	460
Specific Gravity	1.95	1.95
Oil Separation, %, 30 hr at 99 °C (210 °F)	3	3
Anticorrosion Additive	Sodium Nitrite	Sodium Nitrite
Coefficient of Friction, ASTM D2266	0.11	0.11
Thickener	PTFE	PTFE
Appearance	White, creamy consistency	White, creamy consistency
Base Oil Viscosity, cSt at 40 °C (104 °F) at 100 °C (212 °F)	240 25	440 42
Viscosity Index	134	155
Operating Range, °C (°F)	-36 to +260 (-33 to 500)	-30 to +288 (-22 to 550)
Rust Prevention, ASTM D-1743	Pass	Pass
Four Ball Wear Scar, ASTM D-2266 at 1 hr, 1200 rpm, 107 °C (225 °F), 20 kg	0.4 mm	0.4 mm
Oil Volatility, %, 22 hr at 204 °C (400 °F) ASTM D-2595	3 max.	1 max.



*The miracles of science™*

## Chemical and Environmental Compatibility

While Krytox® fluorinated greases are non-reactive, its PFPE chemistry is very different from standard hydrocarbon or synthetic chemistries and should never be mixed with non-fluorinated greases.

Krytox® 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 it stays 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.

## Packing the Bearing

New bearings should be inspected for damage and cleanliness before use. New unlubricated bearings are often coated with hydrocarbon based rust preventive oils to protect them during storage. These preservative oils must be removed when using Krytox® as a lubricant. Failure to do so could result in reduced bearing life.

The preservatives coat the bearing surface to prevent rust and corrosion, but if not removed prior to use will prevent the grease from protecting the metal surface. If left on the bearing, the preservative coating can oxidize and harden, and can create debris that will contaminate the grease.

## Storage and Shelf Life

Krytox® grease and oil lubricants have no expiration date, and 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](mailto:krytox@usa.dupont.com)**.

For international sales and support contacts, visit us at **[www.lubricants.dupont.com](http://www.lubricants.dupont.com)**.

Copyright © 2011 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™, and Krytox® are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates. All rights reserved.

K-08980-1 (01/11) Printed in the U.S.A.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Because conditions of use are outside our control, DuPont makes no warranties, express or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents or trademarks.



*The miracles of science™*