DUPONT™ KRYTOX® GREASES FOR CORRUGATORS

PERFORMANCE LUBRICANTS

DuPont™ Krytox® PFPE/PTFE greases have become the corrugator industry standard for lubricating bearings on heated rolls in single facers and associated equipment. Krytox® lubricants help eliminate bearing lubrication as a cause of premature corrugator roll failures. Corrugator roll changes are significantly easier and quicker on single facers lubricated with Krytox® grease.

Corrugators choose Krytox® lubricants for many reasons:

- Most productive lubrication system for single facer bearings among all paper corrugating plants, equipment OEMs and corrugator roll rebuilders
- Most thermally stable H1 base oil available
- Reduced risk of bearing failure
- Conversion support and PFPE lubrication/application training available

DuPont™ Krytox® greases for the corrugating industry include:

Krytox® Corrugator 226 FG, 227 FG Greases—The standard in PFPE/PTFE greases, recognized by OEM and operator alike as the premium performing high temperature grease. These products are NSF H-1 Food Grade certified, providing safe, non-toxic and inert performance in food-related operations.

Safe Handling

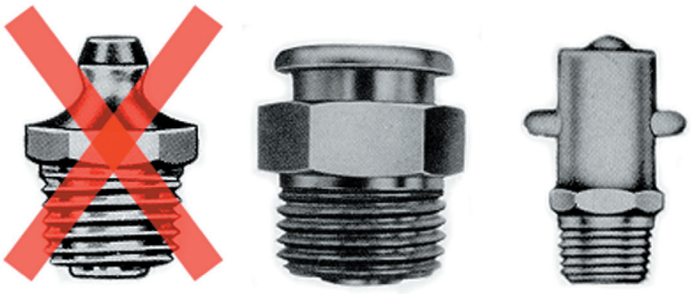
For detailed information, refer to the MSDS for the specific grade of DuPont™ Krytox® fluorinated grease that you are using. Highlights are:

- When handling, wear any type of impervious gloves.
- Wash hands after use.
- Do not smoke tobacco that may have been contaminated with Krytox® grease. Inhalation of fumes from burning Krytox® grease may cause a temporary flu-like illness with symptoms such as fever, chills, and sometimes cough. Symptoms are typically gone after 1 to 2 days.
- When handling Krytox® solvent or HC cleaner, use adequate ventilation and wear eye protection and any type of impervious rubber gloves.

Key Points

- Make sure the bearings are clean and free of preservatives, hydrocarbon oils, greases, and residues before lubricating with Krytox® grease; use Krytox® HC Plus Cleaner or equivalent. ***Contaminating Krytox® grease with any other lubricant will impair its lubricating value***.
- If using pails versus cartridges, slight pooling of oil on top of the Krytox® grease can occur, particularly if it has been sitting unused for a while. Simply mix it back in with a clean stirrer.

Standard Zerk **Button Head** **Pin Head**



- Use special grease fittings—pin or button head—for Krytox® grease to prevent contamination with hydrocarbon or synthetic lubricants.
- Use a dedicated grease gun (labeled Krytox® grease only) with a swivel coupling matched to the special pin or button head grease fittings (bearing inlet ports). Fill the bearings and bearing housings completely to prevent air pockets that can collect water and debris.
- Prevent corrugating process materials (e.g., waxes and paper debris) from entering the bearings.

Relubrication

- Wipe the inlet fittings clean with a clean cloth to prevent contamination of the Krytox® grease.
- Add/replenish Krytox® grease every three months. Pump about 1 lb (1/2 cartridge), or whatever is necessary, of Krytox® grease into the bearing button or pin head grease fittings to force some existing grease out through the seals. It is best to rotate bearings while adding grease to prevent "channeling" of the new grease through the bearing. A more conservative approach is to follow this practice more frequently, say once a month; proportionately less Krytox® grease would be needed. ***Pay attention to plant safety procedures when working with moving equipment***.
- Compare expelled/purged grease with the "Color Guide" and service as noted. (This guide applies to normal wear only; contaminants will alter the grease's appearance.)
- Wipe off excess Krytox® grease from equipment surfaces to prevent buildup of dirt/debris attracted to surface grease.

Disposal and Storage

- Properly dispose of used Krytox® grease purged from outlet ports, seals, and/or shaft-bearing clearances according to local, state, and federal codes.
- Keep all Krytox® grease containers ***covered*** to prevent contamination.

Color Guide

Color	Contamination	Recommendation
White	None	Grease in good condition: creamy consistency.
Gray	0.0–0.1% iron	Grease in good condition, normal wear in bearing; creamy consistency.
Tan	0.1–0.4% iron	Add grease until cavity is full, bearing OK.
Brown	0.4–0.8% iron	Flush bearing with grease until color lightens to tan.
Dark Brown	Greater than 0.8% iron	Check bearing for play and noise. If OK, flush/purge with new Krytox® grease. If not OK, schedule bearing change.
Black		Replace bearing.

DuPont™ Krytox® Lubricants

Extreme conditions. Extreme performance.

For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-800-424-7502.

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The miracles of science™