

DuPont™ Krytox® XHT-AC Grease

DuPont™ Krytox® XHT-ACX Grease

PRODUCT INFORMATION

DuPont™ Krytox® XHT-AC and XHT-ACX series greases are special high temperature greases with low oil evaporation that provide antiwear and rusting protection and are compatible with all elastomers and plastics. These greases have excellent lubrication over a broad temperature range, but they are designed to work best at temperatures over 200 °C (400 °F). Krytox® XHT-AC series greases are nonflammable, oxygen-compatible, and chemically inert. DuPont™ Krytox® greases provide extended lubrication intervals and longer equipment life.

The Krytox® XHT-AC series greases are an extension of the Krytox® 240 series and Krytox® GPL 22X series but are designed to give higher performance in the 204–302 °C (400–575 °F) ranges. Krytox® XHT-AC series greases contain sodium nitrite to offer anti-corrosion performance. These greases should be used below 320 °C (608 °F), where the PTFE thickener could begin to melt. The base oil is an extremely viscous oil that provides good viscosity and lower evaporation at high temperatures.

Krytox® grease is made to a standard NLGI grade 2. PTFE is the standard thickener.

Typical Properties of XHT-AC Series PFPE Grease*

| | XHT-AC | XHT-ACX |
|----------------------------------|------------------------------|------------------------------|
| Estimated Useful Range | | |
| °C | –20/300 | –10/300 |
| °F | –4/572 | 14/572 |
| Base Oil Viscosity, cSt | | |
| 20 °C (68 °F) | 1,712 | 2,610 |
| 40 °C (104 °F) | 500 | 738 |
| 100 °C (212 °F) | 47 | 65 |
| Oil Viscosity Index | 149 | 158 |
| Oil Pour Point | | |
| °C | –25 | –15 |
| °F | –13 | 5 |
| Antirust Rating, ASTM D-1743 | Pass | Pass |
| Maximum Volatility in 22 hr, % | | |
| 204 °C (400 °F) | <1 | <0.75 |
| Appearance | White, creamy consistency | White, creamy consistency |
| Specific Gravity at 0 °C (32 °F) | 1.99 | 1.99 |

* This table gives typical properties (not specifications) based on historical production performance. DuPont does not make any express or implied warranty that these products will continue to have these typical properties.

Typical Applications

Applications for these lubricants are generally of a critical nature where temperatures reach extremes that conventional lubricants cannot handle. These lubricants are expected to be durable in highly aggressive environments. Where failure of components is not an option whether because of durability, warranty, safety, loss of productivity or down time, Krytox® is the lubricant of choice in a wide range of industries and applications.

Typical applications for Krytox® XHT-AC and XHT-ACX include:

- paint plant conveyor bearings
- corrugator and paper machine bearings
- aluminum can manufacturing bearings
- welding machines
- high temperature fans
- textile equipment
- tenter frames
- high temperature ovens
- conveyor systems in glass and aluminum plants
- textile calender roll bearings
- brick kiln car bearings
- valve lubrication
- ventilation fan bearing grease
- rod mills



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