

ATLANTIC TM PF SERIES GREASES

Multi-Purpose PFPE Greases

DESCRIPTION

The ATLANTIC PF Series of greases are made from pure perfluoropolyether (PFPE) base oils and treated with state-of-the-art additives then thickened with PTFE to form a shear-stable grease. They can be used in a myriad of applications due to their excellent chemical resistance, wide temperature range, low volatility, high load-carrying-ability, high oxidative and thermal stability, non-toxicity, excellent radiation resistance, high volume resistivity and low pour point.

USAGE

Whenever one finds limitations with their present grease, one of the ATLANTIC PF-

Series Greases will meet the challenging requirements. For example, ATLANTIC PF Series Greases do not attack seals under high temperature; they are not attacked by fuming sulfuric acid, or high pH caustic sodium hydroxide; and they have no flash point, thus they are safe under any condition. They are safe to use in partial or pure oxygen service, and meet ASTM D2512 requirements. ASTM D 2512 is the accepted standard for determining grease compatibility in oxygen rich environments. They can be used continually at 550°F, so they find a multitude of uses in high temperature applications. They have low pour points for excellent low temperature performance. They have very low volatility at high temperatures, so they are excellent in sealed-for-life bearing applications. They have high extreme pressure (EP) characteristics, so they can be used in heavily loaded gears and bearings, especially the PF-29 which contains molybdenum disulfide (Moly) to further enhance its extreme pressure capability. ATLANTIC PF-30 and PF-29 are designed for moderate to high speed bearings while PF-27 is designed for slow to moderate speeds up to 3000 RPM. ATLANTIC PF-27 has better high-temperature and high-loading characteristics than ATLANTIC PF-30. ATLANTIC PF-27 & PF 30 are NSF/U.S.D.A. H-1 Registered; which gives it full acceptability for use in all areas where incidental food contact may occur.

CAUTION: ATLANTIC PF-SERIES Greases may react with new aluminum or magnesium under high temperature conditions.

ADVANTAGES

Chemically Resistant	Non-Flammable
High Thermal and Oxidative Stability	Wide Temperature Range
High Dielectric Strength	Multi-Purpose Applications

TYPICAL SPECIFICATIONS

DESCRIPTION ATLANTIC Product: PF-Series Greases
Base: Perfluoropolyether (PFPE)

<u>PRODUCT</u>	<u>PF-30</u>	<u>PF-27</u>	<u>PF-29</u>
Color	Cream	Cream	Moly Grey
NSF/USDA H-1 Registered	Yes	Yes	No
NLGI No.	2	2	2
Penetration, Worked	265-295	265-295	265-295
Base Oil Viscosity @ 40C , cSt	140	450	325
Flash Point, F	None	None	None
Temperature Range, F	-40 to +540	-13 to +575	-40 to +550
Evaporation, Loss %, 22 hours @ 400 F	4	0.5	2
Four Ball EP Test, EP Weld Load, Kg	650	800+	800+
Four Ball Wear, mm, 1 hour, 75 C, 40 Kg	0.60	0.60	0.50

PACKAGE AVAILABILITY

2-oz. Jars, 4-oz. Jars, 16 oz. Brush Top Jars, 1-1/2 lb. Jars and Grease Cartridges.
Custom Packaging Available Upon Request