

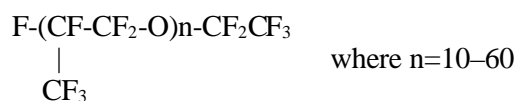


Krytox[®]

performance lubricants

Krytox[®] Lubricants for Sintered Bearings

Krytox[®] oils are clear, colorless, fluorinated synthetic oils that are nonreactive, nonflammable, safe in chemical and oxygen service, and are long-lasting. Krytox[®] is a perfluoropolyether (PFPE), also called perfluoroalkylether (PFAE) or perfluoropolyalkylether (PFPAE), with the following chemical structure:



The oil has low volatility, so it will not evaporate and will provide longer bearing life. It has very high load carrying capacity and consistently gives a high lubrication film thickness at all temperatures to reduce wear and increase component life.

The GPL series oils are unadditized and are recommended for use in nonferrous applications. If rusting could occur, the XP oils should be used. The XP oils have a soluble antirust additive to keep iron from rusting.

Typical Properties*

GPL Oil Grades	103	104	105
XP Oil Grades (Antirust)	1A3	1A4	1A5
ISO Grade of Oil	32	68	150
Estimated Useful Range			
°C	-60-154	-51-179	-36-204
°F	-76-310	-60-355	-33-400
Oil Viscosity, cSt			
20°C (68°F)	80	180	550
40°C (104°F)	30	60	160
100°C (212°F)	5	9	18
204°C (400°F)	—	—	3
Oil Viscosity Index	121	124	125
Oil Pour Point			
°C	-60	-51	-36
°F	-76	-60	-33
Maximum Oil Volatility, % in 22 hr			
66°C (150°F)	1	1	1
121°C (250°F)	7	3	2
204°C (400°F)	—	—	10

*This table gives typical properties (not specifications) based on historical production performance. Viscosity may vary within $\pm 10\%$. DuPont does not make any express or implied warranty that these products will continue to have these typical properties.

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or visit us on the Web: www.krytox.com

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