



Krytox™

Performance Lubricants

Electronic Fluorinated Greases

Product Information

Typical Properties of Krytox™ Electronic Fluorinated Greases*

	Electronic Grease Grade	
	EG 2000	EG 3000
Viscosity of Base Oil, cSt, D445		
at 20 °C (68 °F)	800	1600
at 38 °C (100 °F)	270	500
at 99 °C (210 °F)	26	43
at 204 °C (400 °F)	3.9	6.0
Vapor Pressure of Base Oil, Knudsen		
at 38 °C (100 °F), torr	8×10^{-8}	6×10^{-9}
at 260 °C (500 °F), torr	2×10^{-3}	3×10^{-4}
Volatility of Base Oil, D972 (Mod), wt% loss in 22 hr		
at 149 °C (300 °F)	—	—
at 204 °C (400 °F)	1	—
at 260 °C (500 °F)	6	3
Pour Point of Base Oil, D97, °C (°F)	-35 (-30)	-30 (-20)
Texture	Buttery	Buttery
Penetration, ASTM D217, 60 Strokes	265-295	265-295
Mechanical Stability, ASTM D217, 10,000 St, 100,000 Strokes	No change from original grade	No change from original grade
Oxidation Stability, ASTM D942, 99 °C (210 °F)	0 psig O ₂ pressure drop after 600 hr	0 psig O ₂ pressure drop after 600 hr
Liquid Oxygen Impact, ASTM D2512, NASA MSFC 106B	Pass	Pass
Grease Density, g/mL, 25 °C (77 °F)	1.93	1.93
Oil Separation, FTMS 791B 321.1, wt% loss in 30 hr		
at 99 °C (210 °F)	3	3
at 204 °C (400 °F)	11	10
Evaporation, FTMS 791B 350.1, wt% loss in 22 hr		
at 99 °C (210 °F)	—	Not tested
at 204 °C (400 °F)	1	1
at 260 °C (500 °F)	6	6
Estimated Useful Range, °C (°F)	-34-288 (-30-550)	-29-316 (-20-550+)

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

All standard grades of grease are thickened with Krytox™ 2000 polytetrafluoroethylene (PTFE), whose formula is (CF₂-CF₂)_n. This special high efficiency thickener has a melting point of 325 °C (617 °F), and has low molecular weight and sub-micron (0.2 μm) particle size for higher performance in bearings.

Krytox™ EG series greases are white buttery greases with all of the same properties as the 143 series oils that they are made from, but they are in grease form.

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For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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