



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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