Krytox™ NRT 8908

Performance Lubricants

Product Information

Krytox™ NRT 8908* is a special high-pressure oxygen, white, creamy lubricant for reactive gas service. It has excellent lubrication over a broad temperature range. Krytox™ NRT 8908 is nonflammable and chemically inert. Krytox™ allows extended lubrication intervals and longer equipment life. This product has been formulated with special oils and thickeners for use in applications with high-pressure oxygen and other reactive gases.

Krytox™ NRT 8908 has been tested by BAM with the following results:

- Ignition sensitivity to gaseous impacts: 270 bar at 60 °C (140 °F) and 180 bar up to 200 °C (392 °F)
- Autogenous ignition temperature: >500 °C (932 °F) at 263 bar
- Reactivity in liquid oxygen on mechanical impact: Compatible, no reaction at 375 Nm

*NSF 156572 registered

Property	Krytox™ NRT 8908
Standard NLGI Grade	2
Thickener	Inorganic
Estimated Useful Temperature Range, °C (°F)	-40 to 180 (-40 to 356)
Pour Point, °C (°F)	-54 (-65)
Base Oil Viscosity, cSt 20 °C (68 °F) 40 °C (104 °F) 100 °C (212 °F)	 140 49 7
Vapor Pressure at 20 °C (68 °F) (Knudsen)	≤5 x 10^{-6}
Appearance	Light gray, creamy paste
Specific Gravity	2.0
Volatility of Base Oil, wt% loss in 22 hr at 121 °C (250 °F)	1.3
Food Contact Approval	NSF H-1

These values are typical properties and not specifications.

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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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