

DuPont™ Krytox® NRT 8980

PERFORMANCE LUBRICANT

PRODUCT INFORMATION

DuPont™ Krytox® NRT 8980 grease is a special extreme high temperature grease with low oil evaporation and is thickened with a non-melting thickener to allow use at temperatures above the melting point of common greases. Krytox® NRT 8980 has excellent lubrication over a broad temperature range. This grease is nonflammable and chemically inert. Krytox® NRT 8980 allows extended lubrication intervals and longer equipment life.

Krytox® NRT 8980 grease is designed for use where the temperatures are in the 288 °C (550 °F) range and higher, where there is a danger of melting the standard PTFE thickener. This grease uses a special non-melting high temperature thickener. The base oil is an extremely viscous oil that provides good viscosity and lower evaporation at high temperatures. The oil in the grease can begin to slowly degrade at temperatures above 350 °C (662 °F) and this will occur at an increasing rate as temperatures increase. Relubrication could be required at these temperatures to achieve optimum life.

Applications

This grease has been specially formulated for use in the oil and gas, CPI, and power generation industries for high temperature applications. It is insoluble in chemicals and solvents and not affected by radiation or other extreme conditions.

Typical Properties of NRT 8980 PFPE Grease*

Standard NLGI Penetration Grade	1.5
Estimated Useful Range, °C (°F)	-5/360 (23/680) with intermittent spikes to ≥400 °C (≥752 °F)
Pour Point	-15 °C (5 °F)
Base Oil Viscosity, cSt	
20 °C (68 °F)	3,500
40 °C (104 °F)	1,023
100 °C (212 °F)	88
Oil Separation in 30 hr at 99 °C (210 °F), %	5
Oil Volatility in 22 hr at 260 °C (500 °F), %, D2595	1.1
Vapor Pressure	
20 °C (68 °F) (Knudsen)	≤4 x 10 ⁻¹⁵
100 °C (212 °F) (Knudsen)	≤2 x 10 ⁻¹⁰
200 °C (392 °F) (Knudsen)	≤3 x 10 ⁻⁷
Appearance	White, creamy consistency
Specific Gravity at 0 °C (32 °F)	2.00

* This table gives typical properties (not specifications) based on historical production performance. DuPont does not make any express or implied warranty that these products will continue to have these typical properties.

DuPont Performance Lubricants

Extreme conditions. Extreme performance.

For more information or for technical assistance, please call **1-800-424-7502** or contact us at krytox@usa.dupont.com

For international sales and support contacts, visit us at www.lubricants.dupont.com

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