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TECHNICAL DATA SHEET
NEOLUBE® NO. 1260 - PIPE THREAD SEALANT

NEOLUBE® No. 1260 is a high performance paste and a high temperature anti-seize compound, composed of nuclear grade graphite and a nuclear quality petroleum-based carrier. **This sealant/lubricant exhibits all the characteristics necessary for long life performance, even under the most severe conditions, including critical service applications up to 635°C (1175°F) and 16 MPa (2300 psi).** The purity level of **NEOLUBE® No. 1260** allows it to meet the stringent certification requirements of the nuclear power generation industry such as the General Electric nonmetallic material specification D50YP12 Rev 2.

NEOLUBE® No. 1260 thread sealant paste can also be used as an effective bolt lubricant or anti-seize compound, having outperformed conventional lubricants under tests.

Each lot of **NEOLUBE® No. 1260** is packaged in a 1.69 ounce squeezable tube to protect against contamination. When used in temperatures above 255°F the petroleum based carrier starts to be volatilized, however, the graphite component remains present and will perform up to 1175°F. Weight loss begins at about 255°F. There is a 6% weight loss at 390°F. **NEOLUBE® No. 1260** will have good lubricating properties up to 390°F for a considerable period of time.

NEOLUBE® No. 1260 is acceptable for use in ethylene oxide service. **NEOLUBE® No. 1260** is not compatible with oxygen service because the oils could flash at high temperatures. The classes of organic chemicals that should not be used with **NEOLUBE® No. 1260** are those that are highly oxidizing, such as: nitrates, persulfates, perbenzoate and peroxides. These can be used if the concentration is low (several percent) and the temperature is near room temperature. An oxidizing organic, even in small concentrations is not compatible if an acid is present. Unacceptable compatibility for inorganic chemicals would include molten sodium or potassium hydroxide and chlorine dioxide.

NEOLUBE® No. 1260 has a high chemical purity, excellent thermal stability, low halogen content and excellent radiation resistance, which makes it very advantageous for use in critical service applications.

No. 1260 is flexible, compatible, conformable and resilient. Once applied, **NEOLUBE® No. 1260**, Thread Sealant molds into challenging spaces to fill irregularities and create a superior seal. **NEOLUBE® 1260** maintains its seal even in harsh environments. In addition to maintaining an effective seal, **NEOLUBE® No. 1260** exhibits virtually no gasket sealant creep relaxation. As a result, the need for periodic bolt tightening is greatly reduced.

NEOLUBE® No. 1260 is an ideal replacement for Teflon7 Thread Sealant Tape*, and other conventional thread sealant materials in critical high temperature and high pressure service applications.

NEOLUBE® No. 1260 is recommended for use to seal small diameter, close tolerance threaded pipe joints in critical service.

Joints sealed with **NEOLUBE® No. 1260** will be easy to dissemble even after years of high temperature service because the paste does not harden or cure.

NEOLUBE® No. 1260 should not be used with gaskets made from EPDM, Silicone, or Neoprene. Nitrile and Viton gasket materials are compatible with **NEOLUBE® No. 1260.**

Nuclear Radiation Resistance*	
Exposure Levels	Results
**5.5 x 10^{21} NVT @ 1000°C	No Apparent Effect
1.5 x 10^{9} RADS Gamma Radiation (1.5 x 10^{11} ERGS/GRAM)	No Apparent Effect
*Source: Oak Ridge National Laboratory (1978) **Integrated Neutron Flux: N=neutrons per cc V=cm/sec. T=Seconds	

PURITY LEVEL		
ELEMENT	**TYPICAL (PPM)**	**SPECIFICATION (PPM)**
TOTAL HALOGEN (AS CL)	<25 PPM	450 MAXIMUM PPM
LEACHABLE CHLORIDE	<10 PPM	50 MAXIMUM PPM
TOTAL CHLORINE	<10 PPM	500 MAXIMUM PPM
TOTAL FLUORINE	<25 PPM	300 MAXIMUM PPM
TOTAL NITRITE	<1 PPM	1 MAXIMUM PPM
TOTAL NITRATE	<10 PPM	820 MAXIMUM PPM
TOTAL SULFUR	<150 PPM	630 MAXIMUM PPM
EMBRITTLING METALS*	<250 PPM	500 MAXIMUM PPM
*NO SINGLE EMBRITTLING METAL >200 PPM		

TYPICAL PROPERTIES	
COLOR	BLACK/GRAY
TOXICITY	LOW
CARBON CONTENT	99.5% MINIMUM
FLASH POINT	320°F (C.O.C.)
LIQUID CARRIER	MINERAL OIL/PETROLATUM PASTE
MATERIAL INCOMPATIBILITY	AVOID CONTACT WITH STRONG OXIDIZING AGENTS
SHELF LIFE	MINIMUM TWO YEARS FROM DATE OF FIRST USE.
RECOMMENDED STORAGE	<=38°C (100°F)
PIPE SIZE LIMITATIONS	<=2" (50.8 MM OD CLOSE FITTING THREADED JOINTS)
CONSISTENCY	THICK PASTE
SERVICE TEMPERATURE	1175°F (635°C)
PRESSURE RESISTANCE	2300 PSI (16 MPa)

Directions For Use

1. Thoroughly Clean Threaded Surfaces Prior To Application.
2. Knead Tube Well (For Best Results; Snip Cap, Squeeze Out Air, Place The Cap Back On Tightly And Knead Well).
3. Apply Paste Evenly And Fill Threads Completely. Carefully Assemble And Tighten The Threaded Joint.
4. Close Cap Tightly After Use.
5. Joint Is Ready For Immediate Use.