

GTS® Graphite Thread Sealant Paste

*The One And Only Thread Sealant Paste That Works To Near Perfection
Put It On – Go To Sleep*

Overview:

Grafoil® GTS® graphite thread sealant paste is a patented, high-purity paste made from a combination of nuclear grade graphite and a nuclear quality petroleum-based carrier. It has all the characteristics required for long-life performance, even under the most severe conditions. GTS® paste is made to seal small diameter, close tolerance threaded joints in critical service applications to 635°C (1175°F) and 16MPa (2300 psi).

Applications:

- Seal Small Diameter
- Close tolerance threaded pipe joints in critical service

Directions for use:

- Thoroughly clean threaded surfaces prior to application
- Knead tube well (for best results, remove cap, squeeze out air, place cap back on tightly, then knead well)
- Apply paste evenly and fill threads completely Carefully assemble and tighten the threaded joint
- Close cap tightly after use
- Joint is ready for immediate use

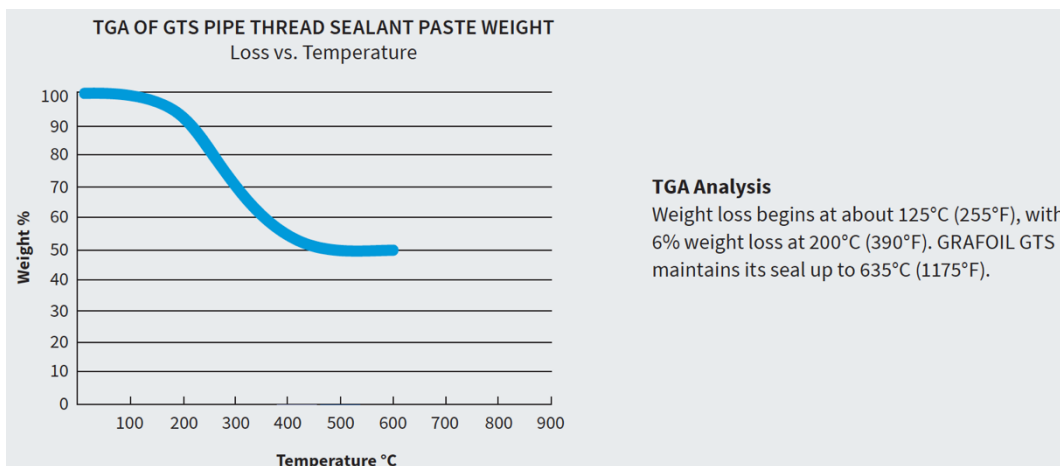
GT®S paste can be certified to meet many nuclear specifications because of its purity and thermal stability. Supplied in a form that permits easy application, GTS® paste is an ideal replacement for Teflon thread sealant tape and other conventional thread sealant materials in critical high temperature and high-pressure service applications. Each lot of GTS® paste is packaged in 125 gram nuclear grade polyethylene “squeezeable” tubes to protect against contamination. The purity level of GTS® paste allows it to meet the stringent certification requirements of **Nuclear Power Generation** industry such as the General Electric non-metallic material specification D50YP12 Rev.2.



GTS® paste can also be used as an effective bolt lubricant or anti-seize compound, having outperformed conventional lubricants under tests. Because GTS® paste does not harden or cure with time or temperature, joints sealed with GTS® paste will be easy to disassemble even after years of high-temperature service.

Grafoil® GTS® Thread Sealant Paste	
Element	Typical Properties
Total Halogen (as Cl)	<25 ppm
Leachable Chloride	<10 ppm
Total Chlorine	<10 ppm
Total Fluorine	<25 ppm
Total Nitrite	<1 ppm
Total Nitrate	<10 ppm
Total Sulphur	<150 ppm
Embrittling Metals (No single embrittling metal >200 ppm)	<250 ppm
Shelf -Life	2 year minimum from date of first use
Storage Temperature	38°C (100°F)
Pipe Size Limitation	2" (50.8mm OD close fitting threaded joints)

Note: Properties listed are typical and should not be used as accept/reject specifications



Markets:

- Nuclear Facilities
- Marine Equipment
- Military Equipment
- Oil & Gas
- Power Plants
- Semi-Conductor Fluid System
- Water Desalination Facilities
- Others that need high temperature resistant and corrosion free thread sealing or lubrication

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