



Proven Every Day // Proven Everywhere®

OXY-TITE® PTFE Based Pipe Thread Sealant for Gaseous & Liquid Oxygen Service



FEATURES:

- Pressure range: gases up to 2600 psi
- Temperature range: up to 450°F (232°C)
- Each batch is tested for Autoignition Temperature* per ASTM G-72. A typical range is 806°F to 824°F (430°C to 440°C). Each container shows the Batch Number and Autoignition Temperature for traceability.
- Tested to ASTM D-240, Heat of Combustion - 1090 cal/gram.
- Provides safe, leak-tight seals on high pressure oxygen systems
- The PTFE particles seal the smallest cracks that PTFE tape cannot fill
- OXY-TITE is inert, noncorrosive and nonflammable.
- Contains no silicone or hydrocarbons.

*The Autoignition Temperature is determined by testing at th NASA White Sands Test Facility.

TYPICAL APPLICATIONS:

- Gas Plants
- LOC Bulk Stations
- Hospitals
- Gas Welding Equipment

TECHNICAL INFORMATION:

OXY-TITE thread sealant is considered oxygen compatible for its intended use with gaseous and liquid oxygen. This product exhibits an Autogenous Ignition Temperature in excess of 800°F (427°C) and heat of combustion below 1200 cal/gram. Experience has shown that ignition and promoted combustion events for material exhibiting compatibility data properties in this range are unlikely, however, all application instructions must be followed.

REMEMBER, GASEOUS OXYGEN VIGOROUSLY ACCELERATES COMBUSTION OF MOST MATERIALS. Read all instructions carefully and endure that thorough training is received on the fire hazards of oxygen before using this product.

ORDERING INFORMATION:

Product	Part No.	Size	Qty/Case	Wt/Case
OXY-TITE	42805	4oz.	6	2 lbs

DO's AND DON'Ts:

- DO obtain qualified instruction on controlling fire hazards in oxygen systems prior to handling or usage, such as the ASTM Standards Technology Training course of "Fire Hazards In Oxygen Systems."
- DO ensure that all components are suitable for oxygen application prior to wetting any portion of the system with oxygen.
- Do ensure all components are properly cleaned for oxygen, at the piece-part level, prior to application of this product and final assembly.
- DO use this product with tapered thread fittings, such as National Pipe Threads (NPT), National Gas Threads (NGT),etc. DO NOT use this product with flared or o-ring sealed fittings.
- Do uses applicators that are NON-ORGANIC and NON-SHEDDING such as brass or fiberglass bristle brush.
- DO NOT transfer the product from its original container to another container since the new container may add contaminants which could compromise the oxygen compatibility of the product.
- DO NOT apply this product liberally. Apply SPARINGLY.
- DO NOT apply this product on the first two threads of the male fitting. Application of this product on the first two threads of the male fitting can increase the likelihood of contamination and migration into the internal oxygen-wetted portions of the systems.
- DO NOT use this product above 2600 psi. This product has been tested for compatibility with oxygen by Auto-genus Ignition up to 2600 psi. Experience has shown that reactivity increases with increasing pressures.



Call, write or email for additional information

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