

### Product Description

**LOX-8 Full Density Thread Seal Tape is a multi-purpose and oxygen-approved tape suitable for use in all situations, including cryogenic assemblies. May be used alone or with Fluoramics' pipe sealants.**

### Features and Benefits

- **Full Density, minimal usage, repeatable results**
- **Service temperature range -240°C (-400°F) to +287°C (+550°F)**
- **High pressure applications**
- **Anti-galling and anti-seizing**
- **Silicone-free**
- **Seals all sizes and types of threaded joints**
- **VOC-free**
- **Non-toxic, non-hazardous, approved for food service area**
- **Oxygen tested**
- **Produced from 100% U.S.-made PFOA/PFOS-free resin**



### Applications

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"><li>▪ <b>Natural gas applications</b></li><li>▪ <b>Cryogenic applications</b></li><li>▪ <b>Welding and industrial gases</b></li><li>▪ <b>Gasoline, diesel, kerosene fuel systems</b></li><li>▪ <b>Chlorine (liquid and gaseous) and powerful oxidizers</b></li></ul> | <ul style="list-style-type: none"><li>▪ <b>Oxygen systems (liquid and gaseous)</b></li><li>▪ <b>Valves in bottled gases</b></li><li>▪ <b>Water and wastewater processing</b></li><li>▪ <b>Ammonia and freon refrigeration service</b></li><li>▪ <b>Paint systems</b></li></ul> | <ul style="list-style-type: none"><li>▪ <b>Wafer fab</b></li><li>▪ <b>Offshore drilling rigs</b></li><li>▪ <b>Coal power plants</b></li><li>▪ <b>Oil-based systems</b></li><li>▪ <b>Aerospace</b></li><li>▪ <b>Medical and nuclear</b></li><li>▪ <b>Chemical processing</b></li></ul> |
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### Health and Safety

**LOX-8 Full Density Thread Seal Tape is a very safe, solvent-free PFOA/PFOS-free product. Non-hazardous under the consumer product safety regulations OSHA 29 CFR 1910.1200 and WHMIS. See Safety Data Sheet for additional information.**

### Storage, Shipping and Handling

**Always keep unused product in original container. DOT-classified as non-hazardous, can be shipped by ground & air with no restrictions. See Safety Data Sheet for additional information.**



**TECHNICAL DATA SHEET**  
**LOX-8<sup>®</sup>**  
**Full Density Thread Seal Tape**  
**Multi-Purpose – Oxygen Tested – Cryogenic Tape**



**Specifications and Approvals**

- **MIL-T-27730A**
- **A-A 58092**
- **ASTM G72 (High Pressure Oxygen)**
- **FDA approved for food use 21 CFR 177.1550**
- **Chlorine Institute (Pamphlet 164)**

Test/Specification	Rating
Appearance	Light green
Texture	Tape: smooth
Relative Thickness Relative Density	0.0035" (0.0889 mm) 1.4 g/cm <sup>3</sup>
Chemically Inert Non-Toxic	Yes Yes
Flammability Flash Point	Non-flammable None
VOC Content	0%
PFAS - PFOA	0 parts per trillion
PFAS - PFOS	0 parts per trillion
Manufactured with EU Regulatory Compliant Resins	Yes

Test/Specification	Rating
FDA 21 CFR 177.1550 (food service area)	Yes
Chlorine Approved	Yes
Oxygen Tested ASTM G72 (2015) High Pressure Oxygen ISO 21020 - Steady-state oxygen service	Yes AIT: 472 C 345 bar (5004 psi)
Service Temperature Range	-240°C (-400°F) to +287°C (+550°F)
MIL-T-27730A	Yes
AA 58092	Yes
Made in USA	Yes
Shelf Life	Unlimited
Max Pressure Rating	+ 10,000 PSI / 689 Bar

**How to Apply**

- **Clean the male and female threads of dirt or oil.**
- **Starting two threads back from the end of the male fitting, apply two wraps of LOX-8 Full Density Thread Seal Tape in the direction of thread rotation, maintaining tension on the tape while wrapping.**
- **For large or critical connections, apply thread sealant paste over the tape. See directions below.**

***When using LOX-8 Full Density Thread Seal Tape with LOX-8 Thread Sealant:***

- **Apply LOX-8 Full Density Thread Seal Tape as directed above.**
- **Use your finger to liberally apply LOX-8 Thread Sealant to fill the threads.**
- **Fit and torque the male and female pieces together. Hand tighten or use standard pipe tools to torque.**
- **Wipe off excess sealant.**
- **Be careful not to over-tighten fittings, as the fittings may crack.**
- **For reapplication, clean the male and female threads of dirt or oil.**
  1. **Use a brass or stainless-steel wire brush to clean off material on the threads**
  2. **Wipe down the threads using a lint-free cloth and acetone**
  3. **Re-assemble**



## TECHNICAL DATA SHEET

**LOX-8®**

**Full Density Thread Seal Tape**

**Multi-Purpose – Oxygen Tested – Cryogenic Tape**



### Packaging

Part No.	Size
9010002	1/4" x 260"
9010003	1/4" x 520"
9010005	1/2" x 260"
9010008	1/2" x 1296"
9010010	3/4" x 520"
9010013	3/4" x 1296"



### **LOX-8® FULL DENSITY THREAD SEAL TAPE IS COMPATIBLE WITH THESE AND OTHER SIMILIAR AGGRESSIVE CHEMICALS:**

Acetylene	Ethylene Oxide	Oleum
Aluminum Chloride	Fluorine (gaseous)	Oxygen (liquid & gaseous)
Ammonia	Fuming Nitric Oxide	Ozone
Ammonium Hydroxide	Gasoline	Peracetic Acid
Ammonium Nitrate	Helium	Phosphoric Acid
Ammonium Perchlorate	Hydrochloric Acid	Potassium Perchlorate
Anhydrous Ammonia	Hydrogen	Potassium Persulfate
Antimony Trichloride	Hydrogen Bromide	Propane (liquid & gaseous)
Argon	Hydrogen Fluoride	Propylene Oxide
Bicarbonate Acid	Hydrogen Peroxide (all concentrations)	Silane
Boron Trichloride	Hydrogen Sulfide	Silicone Tetrachloride
Boron Trifluoride	Hydroiodic Acid	Sodium Hydroxide
Bromine	Hydrofluorosilicic Acid	Sodium Hypochlorite
Bromine Trifluoride (gaseous)	Hypochlorite solutions	Sodium Perchlorate
Calcium Hypochlorite	Iodine	Sodium Peroxide
Carbon Dioxide	Kerosene	Sulfur Dioxide
Chlorine (liquid & gaseous)	Methane (Biogas)	Sulfur Trioxide
Chlorine Trifluoride (gaseous)	Muriatic Acid	Sulfuric Acid
Chlorosilanes	Natural Gas (liquid & gaseous)	Thionyl Chloride
Chlorosulfonic Acid	Nitric Acid	Titanium Tetrachloride
Chromic Acid	Nitrogen	Uranium Hexafluoride
Chromyl Nitrate	Nitrogen Oxides	Zinc Orthophosphate
Diesel Fuel	Nitrogen Trifluoride	

### **LOX-8® FULL DENSITY THREAD SEAL TAPE IS COMPATIBLE WITH THE FOLLOWING PIPES AND THREADS (PARTIAL LIST):**

Aluminum	Glass – ceramics	Stainless steel
Brass	Iron	Steel
Bronze	Lead	Zinc
Cured epoxies		